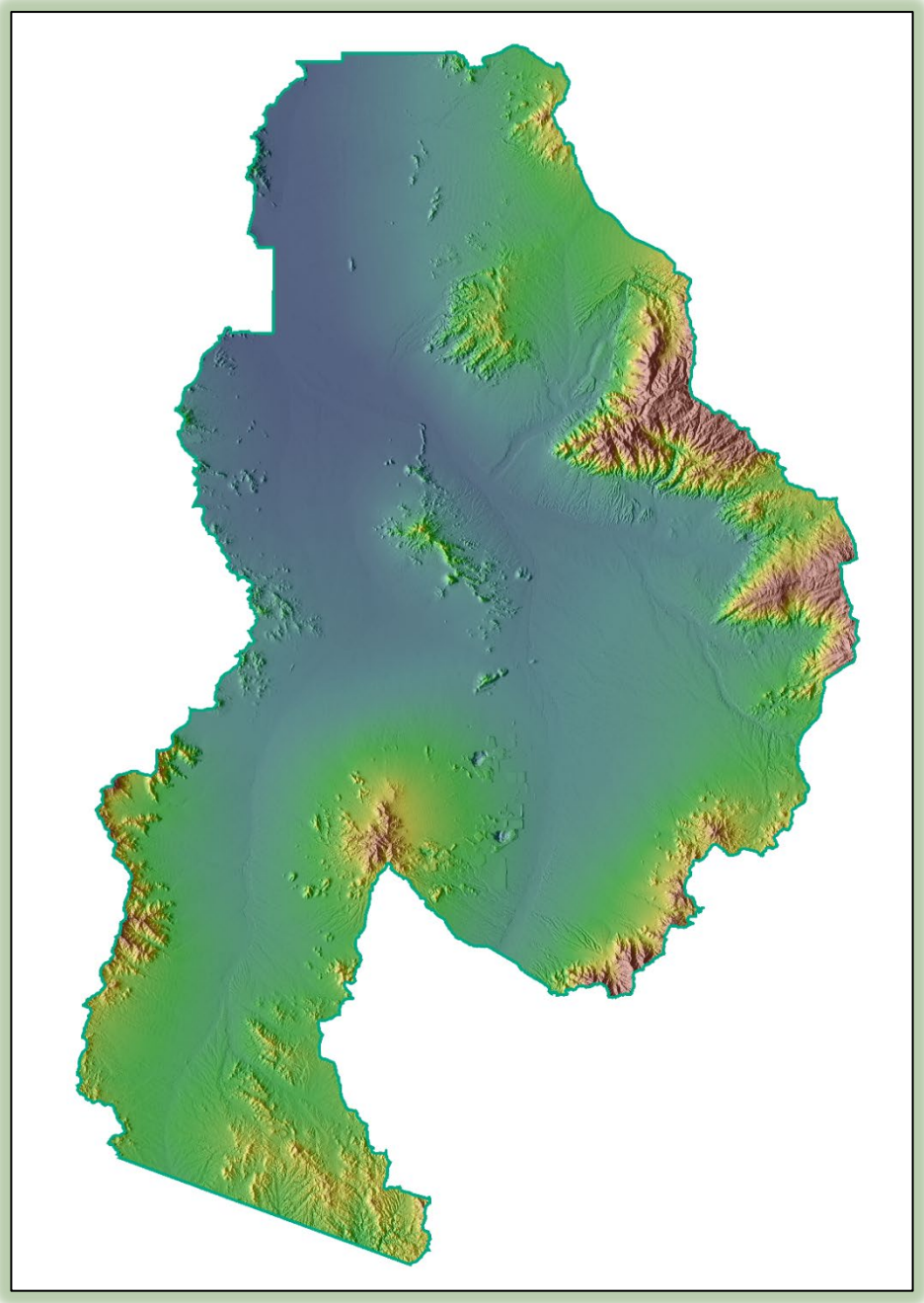
Lower Santa Cruz River Basin Study

Supply and Demand Assessment



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Acronyms and Abbreviations

Abbreviation	Description
ADWR	Arizona Department of Water Resources
AMA	Active Management Area
AOEO	Arizona Office of Economic Opportunity
ASR	Annual Storage and Recovery
AWBA	Arizona Water Banking Authority
AWS	Assured Water Supply
CAGRD	Central Arizona Groundwater Replenishment District
CAP	Central Arizona Project
CAP:SAM	Central Arizona Project: Service Area Model
CAWCD	Central Arizona Water Conservation District
GIS	Geographic Information System
CRSS	Colorado River Simulation System
GMA	Groundwater Management Act
GPHUD	Gallons Per Housing Unit Per Day
GSF	Groundwater Savings Facility
LBDCP	Lower Basin Drought Contingency Plan
LSCRB	Lower Santa Cruz River Basin
LTSA	Long-Term Storage Account
LTSC	Long-Term Storage Credit
M&I	Municipal and Industrial
MAG	Maricopa Association of Governments
ML	Member Lands (CAGRD)
MSA	Member Service Areas (CAGRD)
NASS	National Agricultural Statistical Service
NIA	Non-Indian Agriculture
PAG	Pima Association of Governments
RCP	Representative Concentration Pathways
Reclamation	U.S. Bureau of Reclamation
SAWUA	Southern Arizona Water Users Association
Study	Lower Santa Cruz River Basin Study
TAMA	Tucson Active Management Area
TAZ	Traffic Analysis Zone
USF	Underground Storage Facility

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Executive Summary

The Lower Santa Cruz River Basin Study (Study) is a collaborative regional planning effort that began in February of 2016 as part of the Bureau of Reclamation's (Reclamation) WaterSMART program. The Study area is the Tucson Active Management Area (TAMA), defined by the Arizona Department of Water Resources (ADWR) as part of the 1980 Groundwater Management Act. The Study's overarching goal is to identify where physical water resources are needed to mitigate supply and demand imbalances due to climate change and other factors and to develop strategies to improve water reliability for municipalities, industry, agriculture and the environment.

The Study process involves assessing current and projected supply and demand imbalances under an array of future scenarios and evaluating the risks that these imbalances pose on water management, infrastructure and environmental systems. While the use of renewable Colorado River water supplies in the region has grown significantly over the past few decades, infrastructure constraints and limitations on recharge and recovery capacity have resulted in localized supply and demand imbalances. These imbalances have the potential to intensify in the future.

The Central Arizona Water Conservation District (CAWCD) operates the Central Arizona Project (CAP), a 336-mile canal system that conveys Colorado River water to Maricopa, Pinal and Pima counties. CAWCD is a non-federal cost-share partner of the Study and conducted the Supply and Demand Assessment in conjunction with Study participants. Six scenarios were developed as part of the Assessment, each representing a plausible future supply and demand condition for the region. These scenarios varied in their assumptions regarding climatic, socio-economic and behavioral factors. Using CAWCD's Central Arizona Project Service Area Model (CAP:SAM), a computer model designed to simulate the behavior of water users, projections of future supply and demand were developed for each scenario using a planning horizon of 2020 to 2060. The purpose of this report is to document the assumptions embedded in the model scenarios and to summarize the results of the Assessment.

Total demand for the study area is projected to increase across all scenarios with the exception of Scenario B, ranging from a 0.5% to a 37% increase compared to historic levels. The bulk of the increase is associated with the municipal sector and is influenced to a large degree by the projected magnitude and location of population growth. It is anticipated that CAP supply utilization will increase to meet these growing demands. For those providers that do not have access to renewable supplies, or whose demand exceeds the CAP supply available in a given year, groundwater pumping will increase to fill the

gap. While some volume of groundwater pumping is allowable under the Assured Water Supply Rules, anywhere from 8,800 to 38,100 AF may be subject to subsequent replenishment using renewable supplies.

At present, many Tucson area water providers store a portion of their CAP entitlements for the purpose of accruing long-term storage credits. In conjunction with increased CAP utilization to meet demand, the use of CAP supplies for long-term storage is projected to decline. This decline may be exacerbated by shortages to the CAP system. In particular, scenarios that contemplate deep and frequent reductions to the CAP supply under a hotter and drier future, result in severe reductions to the volume available for storage.

Effluent production is projected to grow in all model scenarios. This volume represents a supply that can be used to offset some of the stress placed on the aquifer due to reduced storage of CAP supplies and increased groundwater pumping. In addition, targeted recharge of CAP supplies that are available in a given year may also serve to alleviate the imbalances and help support sensitive environmental systems.

This Assessment serves as a basis for evaluating a range of future supply and demand conditions and the ways in which water users might respond under these conditions. The information presented in this report was compiled and restructured to develop input files for the groundwater modeling portion of this Study. Reclamation subsequently ran ADWR's TAMA Regional Groundwater Flow Model using the input files and evaluated the impact of these scenarios on the regional aquifer system.

1.0 Background and Scope

1.1 WaterSMART Program

Water resource managers in the Western U.S. face increasing uncertainty surrounding future water availability due to climate change, population growth, aging infrastructure and increasing environmental demands. In response to the 2009 SECURE Water Act, the Bureau of Reclamation (Reclamation) established the WaterSMART[1] (Sustain and Manage America's Resources for Tomorrow) program as a framework for wisely managing the nation's water supplies and evaluating future scarcity. The program provides an opportunity for state agencies, Tribes and local entities to work collaboratively with the federal government on long-range regional scale planning studies. The principal goal of these studies is to generate a range of projections of future water supply and demand and to identify where adaptation strategies may be needed to address potential imbalances.

1.2 Lower Santa Cruz River Basin Study

The grant application for the Lower Santa Cruz River Basin (LSCRB) Study was submitted in 2015 on behalf of the Southern Arizona Water Users Association (SAWUA), in conjunction with the Central Arizona Water Conservation District (CAWCD), the Arizona Department of Water Resources (ADWR), the Pima Association of Governments (PAG), the Cortaro-Marana Irrigation District and the University of Arizona. The proposal was for a $785,750 Study, with $392,750 provided by Reclamation and $393,000 in cost-share from the non-Federal partners. The Study proposal was awarded for the Federal Fiscal Year of 2016, and the Study officially began in February 2016 upon the signing of the Memorandum of Agreement by all parties. As the Study progressed and partners requested a more sophisticated climate analysis, two time extensions and a total budget increase of $640,000 were approved, with commensurate increases in the 50/50 cost-share commitment by the partners. The final budget of the Study is $2,065,750, and it is scheduled to conclude in September, 2021.

The extent of the Study area is the Tucson Active Management Area (TAMA), as defined by ADWR as part of the 1980 Groundwater Management Act. This allowed the Study to utilize information collected by ADWR, as well as ADWR's groundwater flow model. The terms "TAMA" and "LSCRB" are used interchangeably in this document.

[1] https://www.usbr.gov/watersmart/

The Basin is approximately 3,870 mi^2 in size and contributes flow to the Santa Cruz River, a tributary of the Gila River. It encompasses the Tucson metropolitan area and spans the counties of Pima, Pinal and Santa Cruz. The Basin is discretized hydrologically into two parallel groundwater sub-basins: Upper Santa Cruz and Avra Valley (Figure 1), with a general surface flow direction of southeast to northwest.

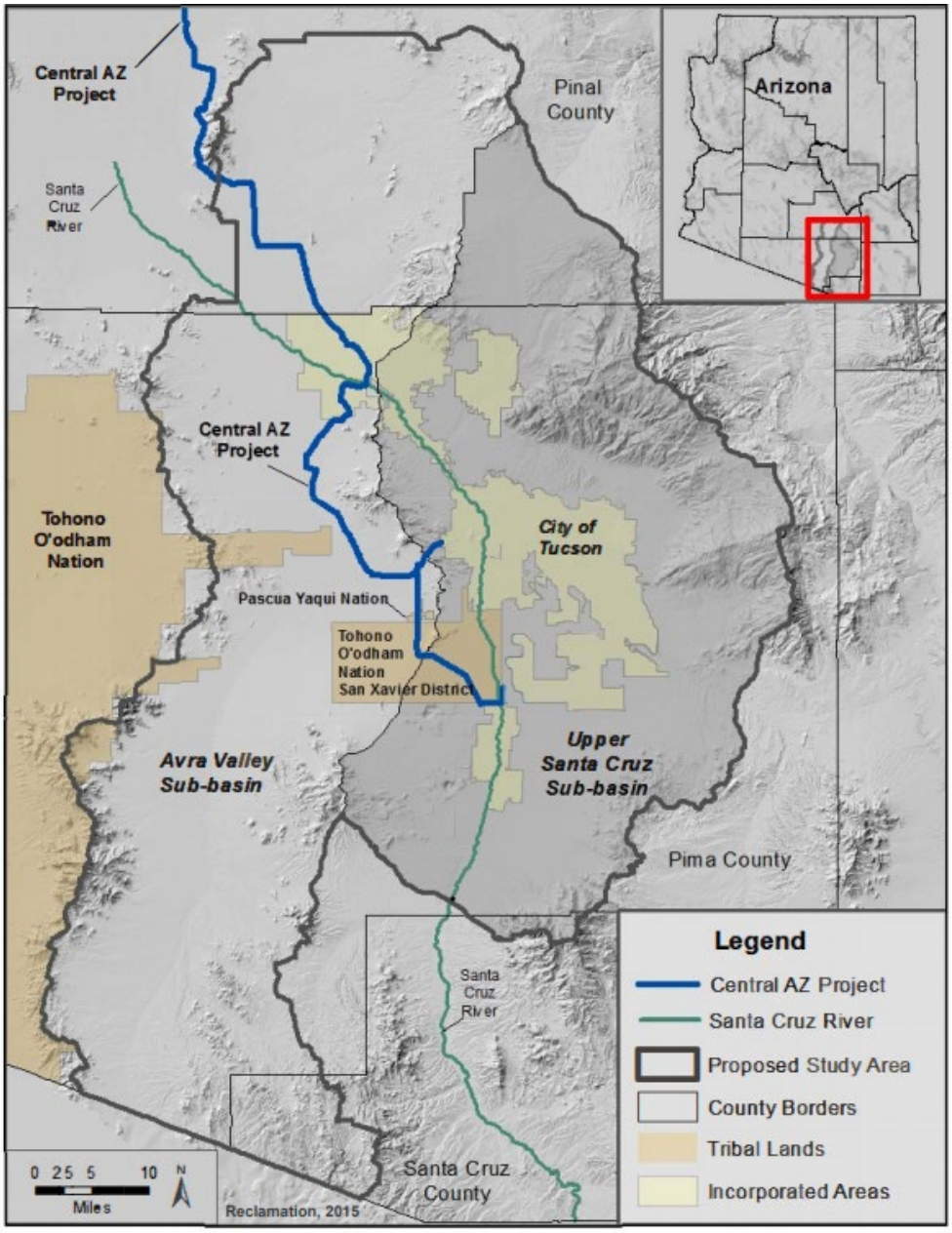


Figure 1 - Lower Santa Cruz River Basin Study Area

Historically, the LSCRB has relied heavily on groundwater pumping to meet demands. It is estimated that during the late 1980s and early 1990s as much as 97% of the total water demand was met by pumping groundwater. As it became clear that this approach was un-sustainable and fraught with negative consequences, water resource managers began to shift their focus to the use of renewable supplies. In 1993 the final phase of construction of the Central Arizona Project (CAP) was completed and for the first time, deliveries of Colorado River water to the region were possible. During this time, the Basin also saw an increase in the utilization of recycled water (i.e. treated effluent) to meet demands. Since that time, the use of these renewable supplies has substantially reduced the reliance on groundwater pumping (Figure 2), which today accounts for roughly 47% of the total Basin-wide demand.

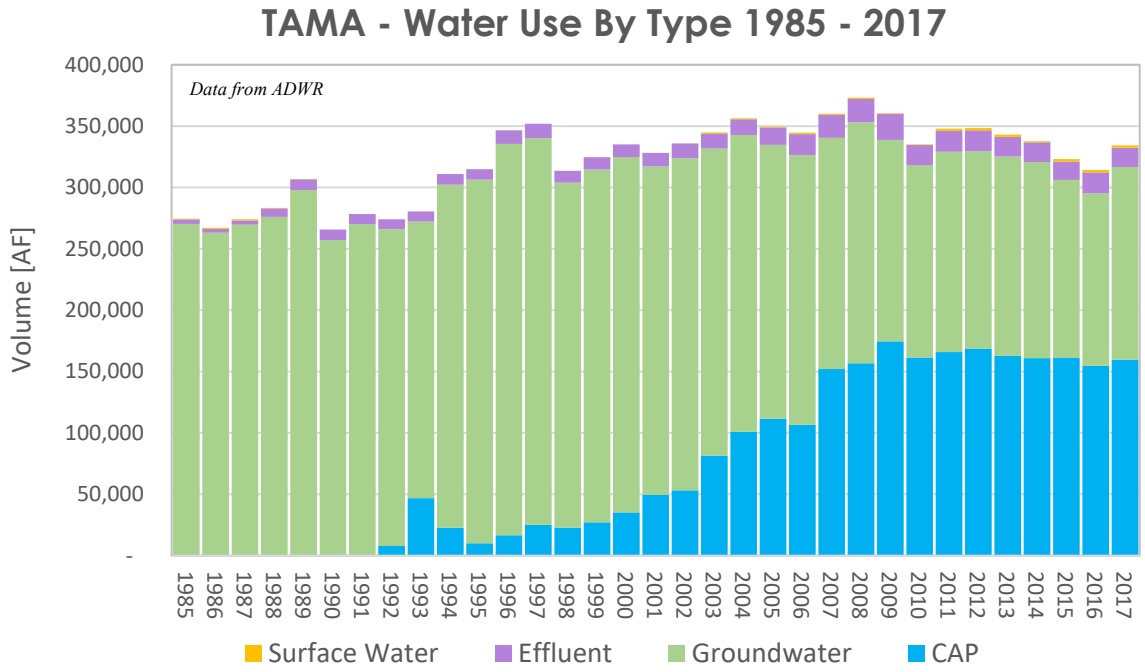


Figure 2 - Water use in the Tucson Active Management Area (TAMA) by type from 1985 – 2017

While the trend in supply utilization is viewed as a success story and has led to groundwater levels rebounding in many parts of the Basin, key regions within the Study area still exhibit supply and demand imbalances, as evidenced by declining groundwater levels. This poses a risk to local supply availability as well as the environment (e.g. land subsidence and loss of riparian vegetation). This situation is likely to worsen due to the impacts of climate change and population growth. This Study used the best available tools to identify the severity and locations of supply and demand imbalances under a range of future climate and growth conditions.

1.3 Basin Study Process

All Reclamation Basin Studies must include four elements: (1) projections of future water supply and demand, considering specific impacts resulting from climate change; (2) an analysis of how existing water and power infrastructure and operations will perform in the face of changing water realities; (3) development of appropriate adaptation strategies to meet current and future water demands and (4) a quantitative or qualitative trade-off analysis of the adaptation strategies identified. For the LSCRB Study this translated into seven key tasks (Figure 3).

Projecting water supply and demand imbalances required two separate analyses. One was to develop basin-scale climate change projections and investigate their impacts on the Basin's surface water hydrology. This Hydroclimate Analysis [2] was tailored to stakeholder needs for information regarding changes in seasonality and extremes. The results of the Hydroclimate Analysis were used to project changes in aquifer recharge from stream infiltration. The second analysis consisted of developing population and economic growth projections as drivers of future water demand, as well as estimating the location of these demands. Both analyses provided input to a groundwater flow model to estimate changes in groundwater levels.

As part of the second Basin Study element, the impacts of these projected imbalances on water supply infrastructure and environmental systems will be evaluated. In steps three and four, adaptation and mitigation strategies to address the imbalances are proposed and evaluated through a trade-off analysis.

For the LSCRB Study, sub-teams comprised of Study participants and subject matter experts were formed to address the tasks within each element and a Project Team was established to guide the overall efforts of the Study.

[2] https://www.usbr.gov/lc/phoenix/programs/lscrbasin/LSCRBS_Hydroclimate_2021.pdf

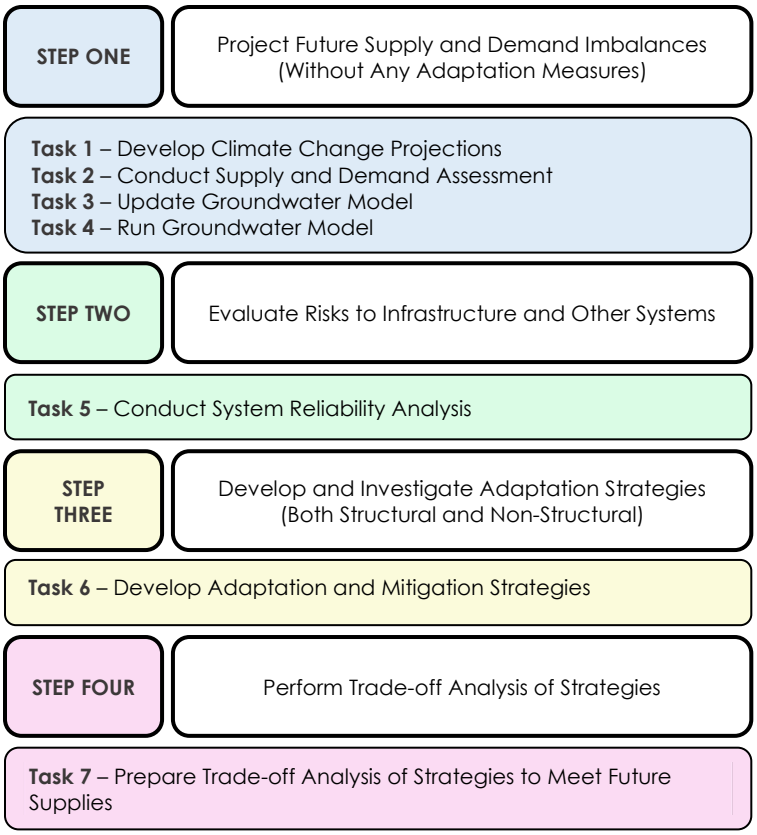


Figure 3 - General Framework for the Lower Santa Cruz River Basin Study

2.0 Supply and Demand Assessment

As outlined in Figure 3, one of the first tasks in any Reclamation Basin Study is to conduct an assessment of water resource supply and demand. This is a multi-part process that begins with evaluating current conditions, followed by the development of supply and demand projections. For this Study existing data from ADWR, as well as data provided by Study participants, were compiled to determine the availability of water supplies within the region. Demand for these supplies were subsequently quantified by sector (i.e. municipal, industrial, tribal, agricultural, etc.). This provided a snapshot of current conditions in the LSCRB and served as a starting point for generating the supply and demand projections.

Changes in supply and demand through time are influenced by a large number of climatic, socio-economic and behavioral factors. Often the magnitude and trend of these factors is either unknown or highly variable. To address this uncertainty, projections should evaluate a large range for each of these factors. A common best practice is to employ a scenario planning approach. Scenarios are comprised of assumptions about the factors that influence supply and

demand through time. Scenarios group together internally consistent combinations of factors that are associated with a plausible narrative for how the future may unfold. Utilizing a scenario planning process allows for the generation of a range of plausible future conditions that can then be evaluated.

In coordination with Study participants, projections of future water supply and demand for the LSCRB were developed by CAWCD, a non-federal cost-share partner of the Study. CAWCD operates and manages the CAP, a 336-mile long aqueduct system designed to supply approximately 1.5 million AF of Colorado River Water annually to central and southern Arizona. Nearly 70 miles of CAP canal, 9 pumping plants and 23 turnouts are located within the Study area (Figure 4). CAWCD has a broad range of roles and responsibilities within the region that include:

- Delivering over 230,000 AF of Colorado River water annually to municipal, industrial, tribal and agricultural customers
- Levying two ad valorem taxes for the purposes of repayment, operations and maintenance (O&M) and enhancing the reliability of Municipal and Industrial (M&I) supplies during shortage through firming performed by the Arizona Water Banking Authority (AWBA)
- Serving as the recovery agent of over 835,000 AF of water stored by the AWBA for the purposes of enhancing supply reliability
- Replenishing groundwater on behalf of members of the Central Arizona Groundwater Replenishment District (CAGRD). The CAGRD serves to provide a mechanism for landowners and water providers to demonstrate an assured water supply per the 1995 Assured Water Supply (AWS) Rules.

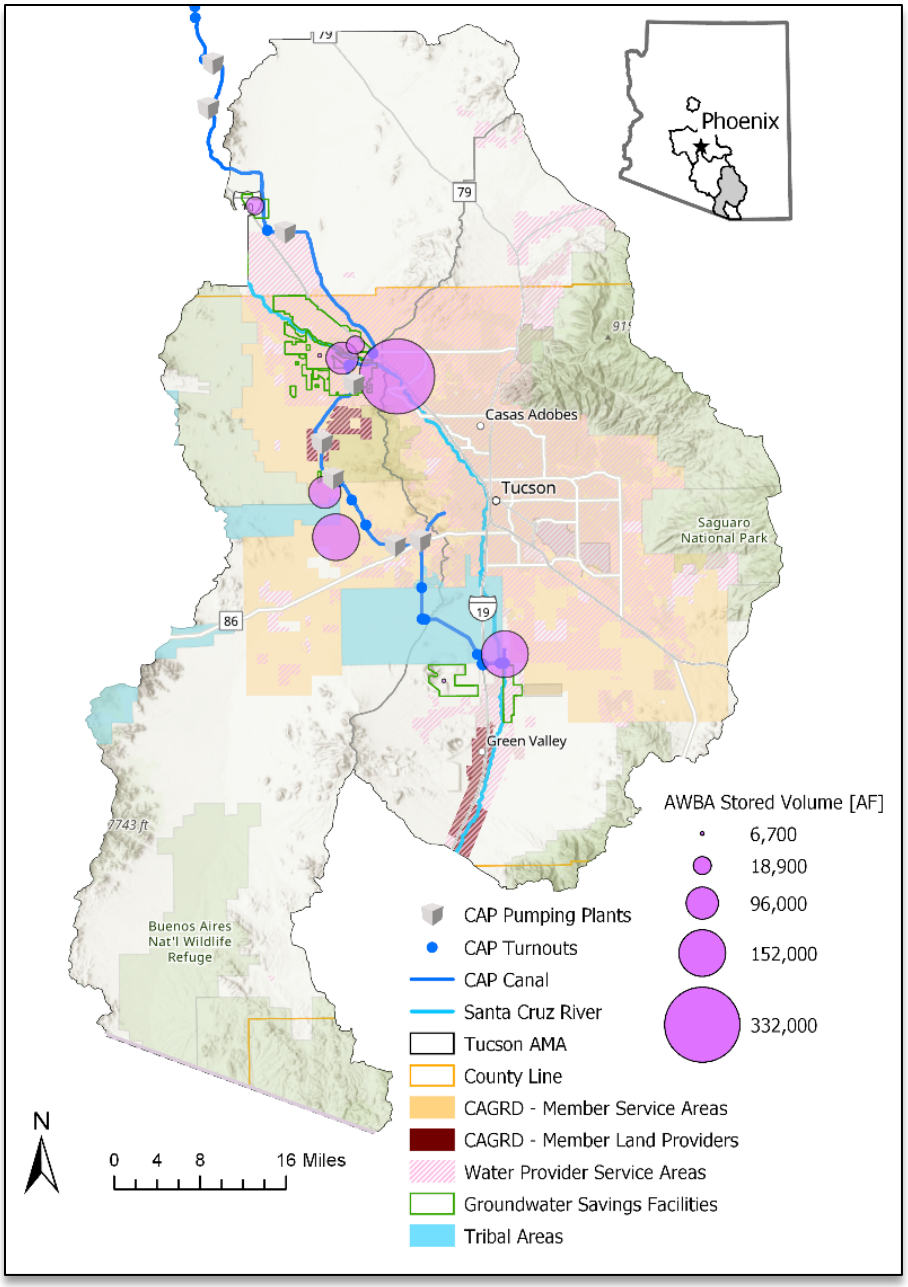


Figure 4 - CAP infrastructure, CAGRD membership and AWBA storage volumes in the Study area. Detailed maps of Underground Storage Facilities and Groundwater Savings Facilities in the TAMA can be found on ADWR's website[3]

CAWCD's Resource Planning and Analysis department has developed unique modeling and technical capabilities that are well suited to evaluate future supply and demand conditions for the region. In particular, CAWCD has

[3] https://new.azwater.gov/recharge/permitted-facilities

developed the CAP Service Area Model (CAP:SAM), a complex computer model built using GoldSim[4] software and designed to simulate over 135 water users (tribes, municipal providers, irrigation districts, institutional users) and 16 supply types within CAWCD's three-county service area (Maricopa, Pinal and Pima; Figure 5). CAP:SAM was specifically designed to generate "what-if" scenarios and includes the ability to evaluate a wide range of future conditions, including the rate and pattern of population growth, shortage impacts, effluent reuse, supply portfolio management decisions, trends in agricultural use, etc. CAP:SAM has significant capabilities to assist in planning and analysis for sub-regions like the LSCRB and has been used in the same capacity (i.e. to generate future supply and demand projections at the sub-basin scale) for two other Reclamation sponsored Basin Studies in the state of Arizona: the West Salt River Valley Basin Study[5] and the Eloy and Maricopa-Stanfield Basin Study[6].

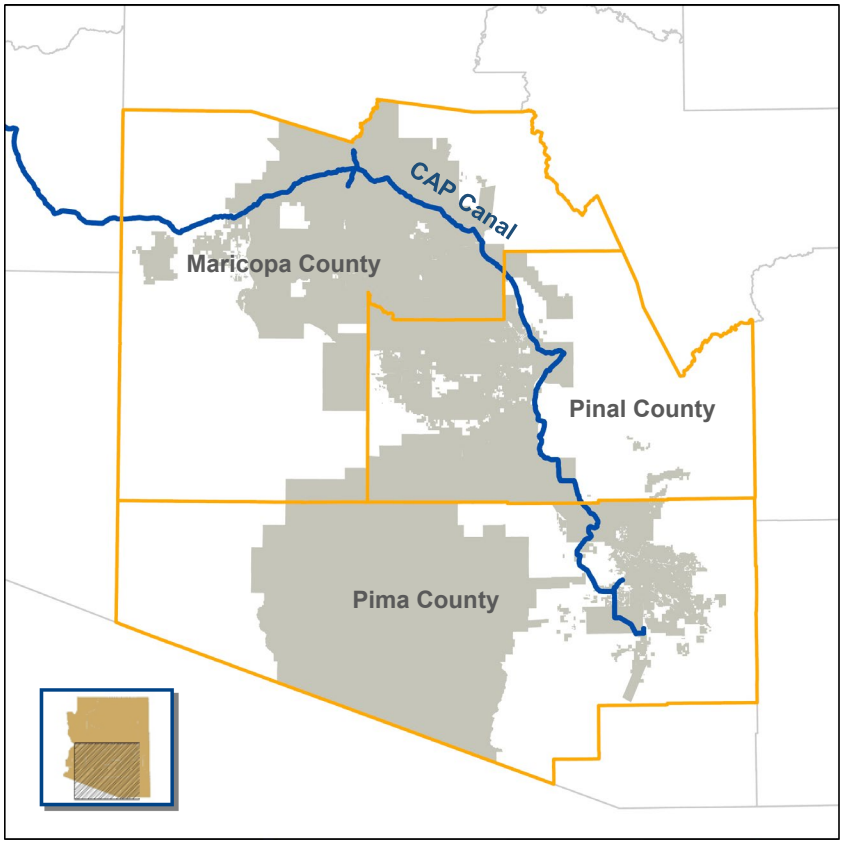


Figure 5 – CAWCD's three county service area. Shaded region represents Indian contracts, Municipal and Industrial subcontracts, Irrigation Districts and non-subcontractors with relationship to the CAGRD.

[4] https://www.goldsim.com/web/home/
[5] http://westcaps.org/basin-study/
[6] http://pinalpartnership.com/ems-basin-study/

For this Study, supply and demand projections were developed for CAWCD's entire three-county service area under six modeling scenarios, using a planning period of 2020 – 2060. While the model domain of CAP:SAM is greater than the Study area, there is regional interdependency of both supply and demand that has sub-regional effects. This report describes the development of these projections and the results of the Supply and Demand Assessment as they pertain to the LSCRB. Results from this effort were provided as inputs for the groundwater flow modeling (Figure 3; Tasks 3 and 4) conducted by Reclamation to evaluate the impacts to the aquifer system and groundwater levels.

3.0 Water Management Framework

Arizona's water management framework is an elaborate and substantial combination of laws, rules and authorities. While a full review of this framework is beyond the scope of this document, an understanding of some of the major components is necessary to effectively interpret model results and place this Assessment in the broader state-wide water management context. The following sections provide a brief summary of some of the key water management concepts and describes the different water use requirements by sector. Of particular importance for the municipal sector are the AWS rules and the role of the CAGRD in helping satisfy these rules. The modeling performed in this Study assumes that the existing legal and regulatory framework stays in place through 2060, the end of this Study's planning period.

3.1 Active Management Areas

In response to extensive groundwater depletion, Arizona's 1980 Groundwater Management Act (GMA) was passed and the principal components were codified into the Arizona Groundwater Code, Title 45, Chapter 2 of the Arizona Revised Statutes. In addition to creating the ADWR to administer the code's provisions, the GMA established Active Management Areas (AMAs), geographic regions containing the majority of the State's population, in which groundwater overdraft historically was most severe. As a result, groundwater withdrawal, use and transportation are intensively regulated within these areas.

The Act established management goals for each AMA related to the overall reduction in mined groundwater and mandated that all new development within an AMA secure access to a reliable, physically available water supply that is of sufficient quality for 100 years. The LSCRB Study area fully encompasses the Tucson AMA. This AMA has a management goal of safe-yield, or the long-term balance between groundwater that is withdrawn and water that is naturally and artificially recharged back into the aquifer on an annual basis.

3.2 Assured Water Supply and the CAGRD

In 1995 ADWR adopted AWS rules that limited the volume of mined groundwater that new subdivisions can use to be consistent with the management goal of the AMAs, which for the Tucson AMA is Safe Yield. Groundwater can still be used to satisfy the requirement for a 100-year physically available water supply, but groundwater withdrawals that are made in excess of the AWS limits must be offset through the recharge of an equal volume of renewable supplies within the same AMA.

A developer can demonstrate an AWS in two ways. First, a municipal water provider can obtain a Designation of Assured Water Supply (DAWS) for its entire service area. The development that occurs within the provider's service area is automatically deemed to have an AWS because the provider has been designated as having sufficient physical and legal supplies to serve current, committed and future demand. Second, a developer can apply for a Certificate of Assured Water Supply (CAWS) in order to prove an AWS for a single subdivision.

Voluntary membership in the CAGRD, either on an individual subdivision basis (Member Land; ML) or for an entire water provider (Member Service Area; MSA), is one of the primary ways in which an applicant can satisfy the renewable supply requirement of the AWS rules. Excess groundwater withdrawals made by a member are offset by recharge of renewable supplies performed by the CAGRD. This ensures that the proposed water use is consistent with the management goal of the AMA.

In CAP:SAM, each water provider is characterized as having one of the following options for their AWS status: (1) MSA, (2) ML, (3) DAWS on Own (i.e. not a member of the CAGRD), (4) Undesignated and (5) Other. The status of a provider can change through time. For example, an undesignated provider can become designated, or an undesignated provider can become a ML provider if it starts serving new subdivisions. The category of "Other" is applied to certain institutional providers (e.g., prisons, universities, etc.).

For the "without-adaptation" scenarios of this Study, CAP:SAM modeling assumed that the AWS Rules remain in place through the Study period, and that water providers maintain their current strategy for complying with the AWS rules. For water providers with a DAWS, which have both time and volume limits, this further assumes that those providers modify/renew their Designation as necessary throughout the study period. For those providers that satisfy the provisions of the AWS rules through membership in the CAGRD, they are similarly assumed to maintain that status through the end of the simulation.

All but one of the Study area's 26 water providers modeled in CAP:SAM are either CAGRD ML water providers or MSAs, though their reliance on CAGRD replenishment varies considerably. Many of the smaller water providers in the Study area have small portfolios of renewable supplies or in some cases no renewable supplies at all. Provided that groundwater for these areas is physically available and access is not financially restricted, future growth in these areas will rely heavily on the CAGRD to stay in compliance with the AWS rules. By extension, the CAGRD itself is presumed to continue to exist and stay in compliance with the applicable statutory requirements. This includes submission of successive 10-year Plans of Operation, approved by ADWR, which require demonstration of sufficient renewable supplies to support current and projected membership, and annual requirements to stay current with replenishment obligations.

Lastly, it is important to note the differences between the modeling performed for this Study and the modeling conducted by ADWR for AWS purposes, and by the CAGRD for its 2015 Plan of Operation. Though there are shared tools (the groundwater flow model and CAP:SAM respectively), the modeling assumptions made in these regulatory processes are unique and in some cases specific to certain legal requirements. These analyses serve critical roles, but their purposes are sufficiently different such that they cannot be used for direct comparison to this Study.

3.3 Agricultural Rights

Agricultural demand has historically accounted for approximately 30% of the total water demand in the Study area. Per the GMA, only land that has been issued a Certificate of Irrigation Grandfathered Right (IGFR) can legally be irrigated using groundwater within an AMA. Irrigation in this context is defined as the growing of crops for sale, human consumption or livestock/poultry feed on two or more acres[7]. These IGFRs were issued by ADWR based on crop type and acres that were irrigated entirely or partially with groundwater in any year from 1975 to 1980. The GMA further prohibits the issuance of new IGFRs, effectively capping the irrigated acres within the AMAs. IGFRs are subject to conservation goals as outlined in ADWR's AMA management plans[8].

Most irrigation districts that provide water supplies to IGFRs have also been permitted by ADWR as Groundwater Savings Facilities (GSFs). A GSF is an arrangement in which a partner, i.e. a tribe, water provider, institution, etc., provides a renewable water supply like CAP water to the district, reducing the amount of groundwater pumped by the district. The partner earns a long-term

[7] A.R.S. § 45-402.18
[8] https://new.azwater.gov/ama/management-plan/fourth-management-plan

storage credit (LTSC) that is equivalent to the volume that would have been pumped, less a 5% cut to the aquifer. This water supply used by the irrigation district is termed "in-lieu" groundwater due to the fact that the renewable supply is being used in-lieu of mined groundwater. CAP:SAM accounts for both parts of this transaction. ADWR typically issues the GSF permit volume based on the sum of the groundwater rights within an irrigation district, so as agricultural demand is adjusted in CAP:SAM due to efficiency changes, crop mix, or urbanization, the irrigation district's GSF capacity is adjusted accordingly.

4.0 Pre-Adaptation Scenario Development

After receiving consensus from Study participants that CAP:SAM was a suitable tool for evaluating supply and demand in the Study area, a series of plausible pre-adaptation (i.e. without measures to reduce imbalances) modeling scenarios were developed. This was an iterative and collaborative process between CAWCD and study participants that began in the spring of 2017 with a Project Team meeting.

Early on in the scenario development process, Study participants expressed an interest in characterizing scenarios based on "risk" to water supply reliability and the environment. The relative risk associated with each scenario was ranked based on two key drivers: 1) population growth, which consists of both the rate and spatial pattern of growth and 2) climate change severity. For example, a scenario with rapid population growth in suburban and ex-urban areas under an increasingly warmer and drier climate, would pose a large risk to water resources in the Study area.

Conversely, a scenario with slow population growth concentrated in existing urban areas and a climate warming that is less severe, would pose a comparatively smaller risk to water reliability and the environment. Scenarios were developed by combining different levels of population growth, growth pattern and severity of climate change. While there are many additional factors that are used to characterize a model scenario, these three factors are by far the most influential.

4.1 Growth

Growth Rate

The Arizona Office of Economic Opportunity (AOEO) is the agency tasked with producing official county and statewide population projections. Much like the decennial census, these projections are developed using the cohort-component method, in which future population estimates are modeled based on demographic changes (i.e. births, deaths, migration, etc.). The AOEO

projections consist of three series: low, medium and high (Figure 6) and are typically updated every three years.

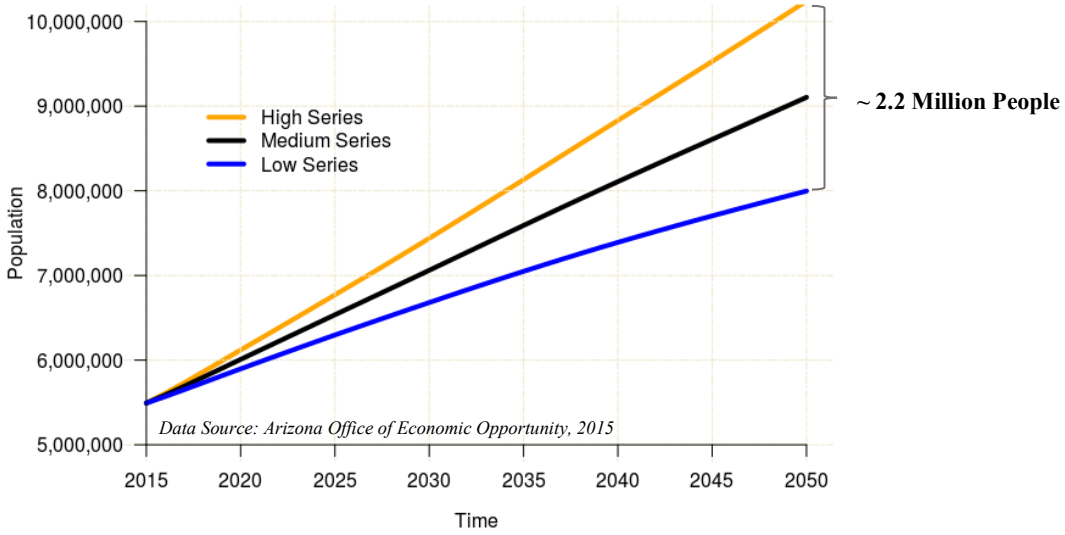


Figure 6 - Arizona Office of Economic Opportunity's low, medium and high series population projections for the three-county CAP service area (Maricopa, Pinal and Pima counties)

In CAP:SAM the fundamental unit for modeling population growth, and consequently growth in municipal demand, is the housing unit. Annual projections of new housing units are generated using a growth curve. To account for the lingering effects of the Great Recession (e.g. faster than normal housing growth rate post-crash) as well as to test a wide range of potential growth scenarios, CAP:SAM allows the user to define a number of parameters related to this curve:

- The initial rate of housing units
- The duration of the housing recovery (if applicable)
- The shape of the recovery curve
- The post-recovery "ordinary" rate of housing units (if applicable)
- The percentage growth rate following the housing recovery
- The percentage growth rate at the end of 50 years

A graphical example of how these parameters define the shape of this growth curve is shown below (Figure 7).

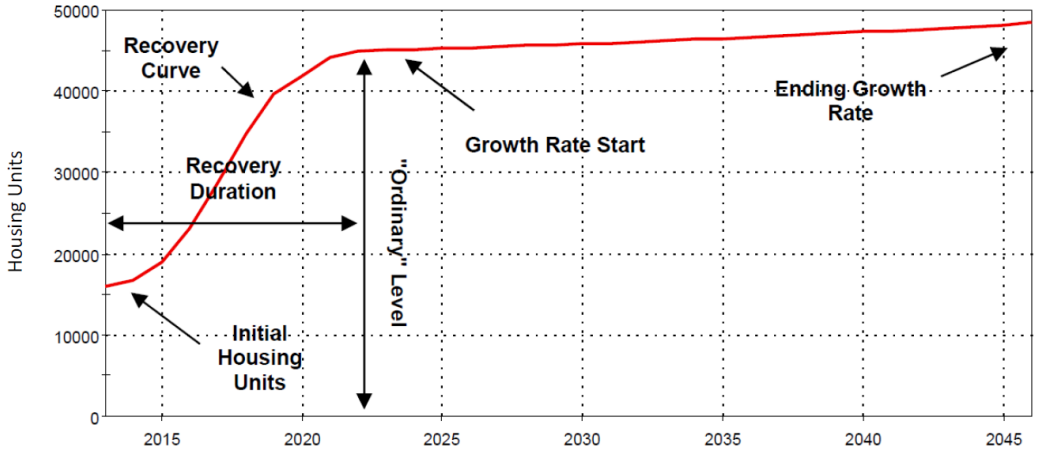


Figure 7 – Parameters of CAP:SAM's annual housing unit growth curve

For this Study, rate of population growth was divided into three categories: slow, medium and rapid, which correspond to AOEO's low, medium and high population series, respectively. In each case a unique housing unit growth curve was developed by optimizing the aforementioned parameters to match AOEO's control totals. In general, housing unit growth rate in CAP's service area has largely rebounded from the effects of the Great Recession (Figure 8). Therefore, each growth curve assumes a relatively short recovery duration prior to reaching post-recovery "ordinary" growth levels.

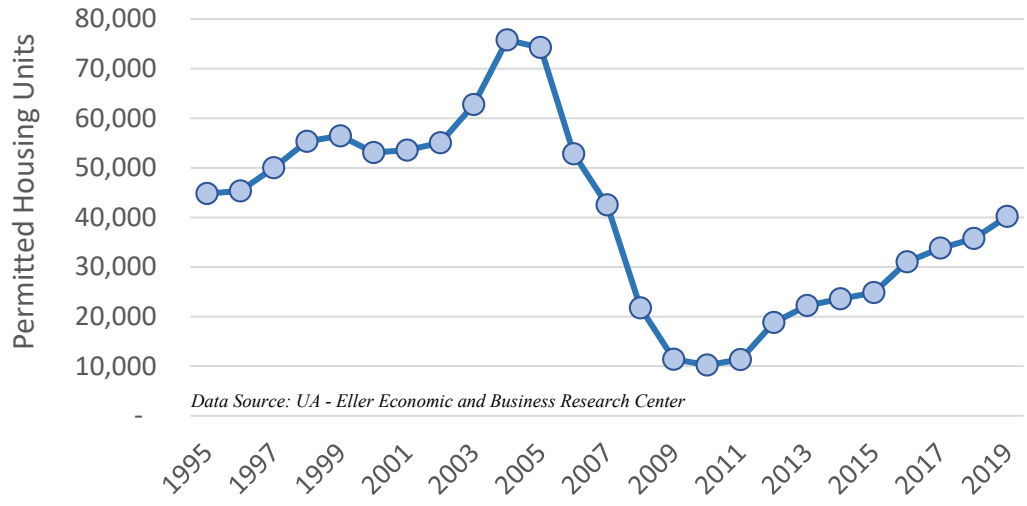


Figure 8 – Annual housing permits in CAP's three-county service area

Spatial Pattern

Once the magnitude of housing unit growth is determined, CAP:SAM distributes this growth based on geographic reference projections of housing units by water provider through time. CAP:SAM is capable of utilizing any reference projection, including the official forecasts developed by the Maricopa, Pima and Central Arizona Associations of Governments (MAG, PAG and CAG). The official forecast estimates housing unit counts at the decadal time-step for Traffic Analysis Zones (TAZ; Figure 9). These projections are based on growth modeling that incorporates a large number of factors, including demographic data, construction data, planned developments, land uses, employment patterns and transportation infrastructure. Additional work using a Geographic Information System (GIS) was performed by CAWCD to characterize the projections by current and anticipated water provider service area.

To accommodate a variety of growth rates while maintaining the integrity of the spatial growth pattern, CAP:SAM matches the total projected housing units generated in the model with the corresponding point in the reference projection at each time-step. For example, a particular model run might project 2.8 million housing units for the three-county area in 2030, but the reference projection might have projected 2.9 million for 2030. CAP:SAM accounts for this by estimating the point within the reference projection at which 2.8 million units were distributed, and then applies that estimate to each water provider.

In addition to dynamically adjusting the rate at which growth occurs, CAP:SAM can incorporate alternative growth patterns. To implement this capability, CAP contracted with a consulting firm—Applied Economics—that had developed a socioeconomic model for Maricopa, Pinal and Pima counties. As part of the contract work, Applied Economics developed eight different growth scenarios by varying key assumptions that affect the relative distribution of housing units. Some of the key factors included relative proximity to transportation infrastructure and existing development, how quickly planned but unbuilt development takes place, relative willingness to commute to employment centers, and land use capacity factors.

Three of the alternate growth patterns developed by Applied Economics were used in this Study: "Official", "Outward Growth" and "Compact" (Figure 9). The Official projection mirrors the officially adopted growth pattern generated by the Associations of Governments. The Outward Growth places a greater portion of the housing units in the suburban and exurban areas. For the Study area, this translates to fewer housing units projected in the centrally located Tucson Water service area and more housing units projected for water providers that serve the periphery of the TAMA. The Compact projection places more housing units in the existing urban areas, focusing growth in Tucson Water's service area.

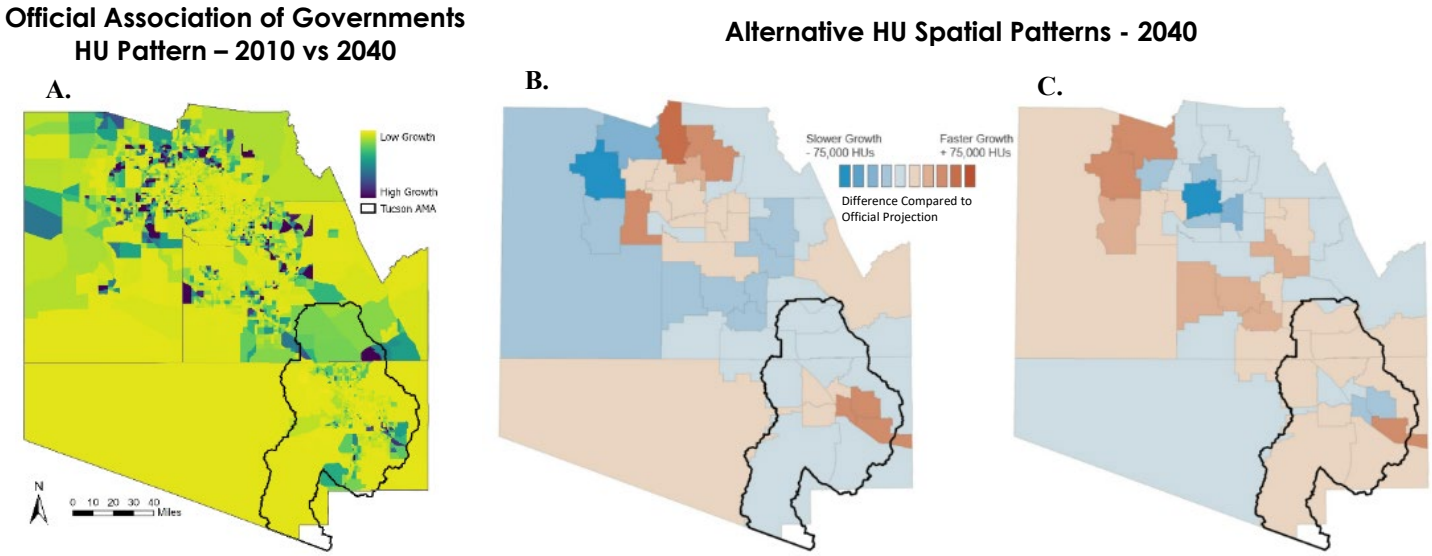


Figure 9 - (A) Official HU spatial pattern developed by the Associations of Governments. (B) Compact and (C) Outward Growth alternative spatial patterns developed by Applied Economics. Study area is outlined in black. Patterns are shown for an example year (2040).

4.2 Climate

Climate scenarios are assumptions about how the key drivers that impact the Earth's climate will vary in the future. The Intergovernmental Panel on Climate Change's Fifth Assessment Report developed standardized scenarios known as Representative Concentration Pathways (RCPs)[9]. Each RCP represents a set of greenhouse gas concentration projections through the year 2100. RCPs vary in the degree of radiative forcing they project, based on a number of climate change factors. These scenarios are widely used by the scientific community to characterize potential future climate conditions.

The Study uses the terms "best-case" and "worse-case" to indicate climate projections corresponding to RCP 4.5 and 8.5, respectively (Figure 10). The use of the phrase, "worst case" is avoided because it is possible that greenhouse gas emissions may exceed the levels projected in RCP 8.5. It is important to note that although it is referred to as "best" case in this Study, RCP 4.5 projects a future climate that is still warmer than current conditions. The "worse-case" climate is characteristic of a very hot, very dry future condition.

[9] https://www.ipcc.ch/report/ar5/syr/

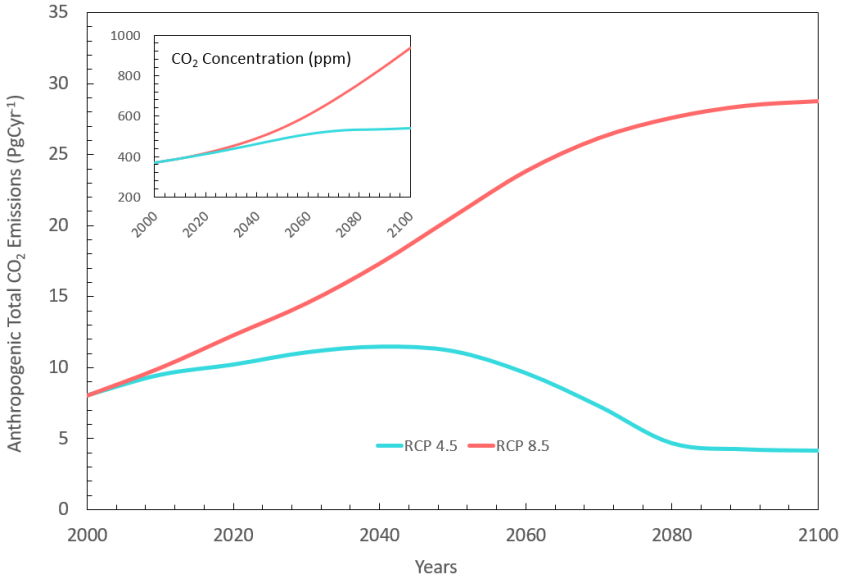


Figure 10 - CO2 emissions and concentration projections through 2100 for RCP 4.5 and 8.5, as provided in the Intergovernmental Panel on Climate Change's Fifth Assessment Report

An additional climate category was included to represent current climate conditions (i.e. no climate change). This category does not represent a plausible future condition but was evaluated to maintain consistency with projections developed by ADWR, which does not account for the effects of climate change.

A warming climate in CAP:SAM is broadly modeled as having the following impact:

- A slower rate of decline in per capita water use, i.e. under hotter climates, external water use increases and slows the historically observed decrease in per capita use
- A gradual increase in crop consumptive use
- More frequent, severe and long-lasting reductions to the CAP supply and other surface water supplies

Of the above modeled impacts, the one that most significant influences the CAP:SAM projections is the reduced availability of Colorado River water conveyed via the CAP and other renewable supplies. In CAP:SAM these reductions are modeled using representative traces that describe the magnitude, duration and frequency of shortages throughout the simulation

period. Three shortage traces were developed[10] and evaluated as part of this Study (Figure 11). The magnitude of the reductions defined by the traces are analogous to the shortage tiers outlined in the 2019 Lower Basin Drought Contingency Plan[11] (LBDCP; Figure 12).

CAP:SAM ultimately has the ability to evaluate a suite of hydrological inputs, including those from the Colorado River Simulation System (CRSS)[12], to develop hundreds of realizations for a given model scenario. For this Study however, single shortage traces were chosen due to the cost of running projections through the groundwater flow model. Moreover, using individual shortage traces retains supply variability information, which allows for a more direct comparison across the different "what-if" scenarios.

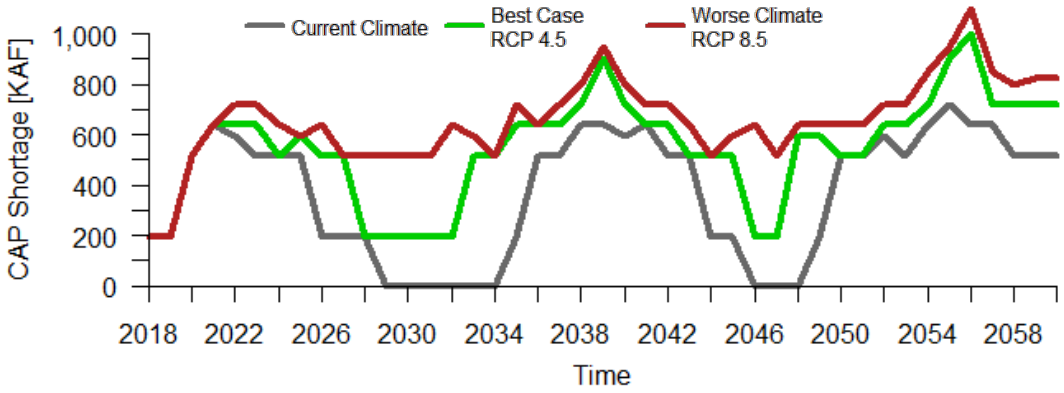


Figure 11 - CAP shortage sequences for the three climate categories

[10] These traces represent speculative stress to the CAP system. They should not be used to infer future reservoir operations, or construed as any indication of the magnitude and timing of supply reductions attributable to Arizona or the Central Arizona Project.
[11] The Lower Basin Drought Contingency Plan, signed on January 31, 2019 by Governor Ducey, established earlier and deeper reductions to Arizona's CAP supplies. These contributions to Lake Mead are in addition to the shortage reductions set forth by the 2007 Interim Guidelines.
[12] https://www.usbr.gov/lc/region/g4000/riverops/model-info-APR2018.html

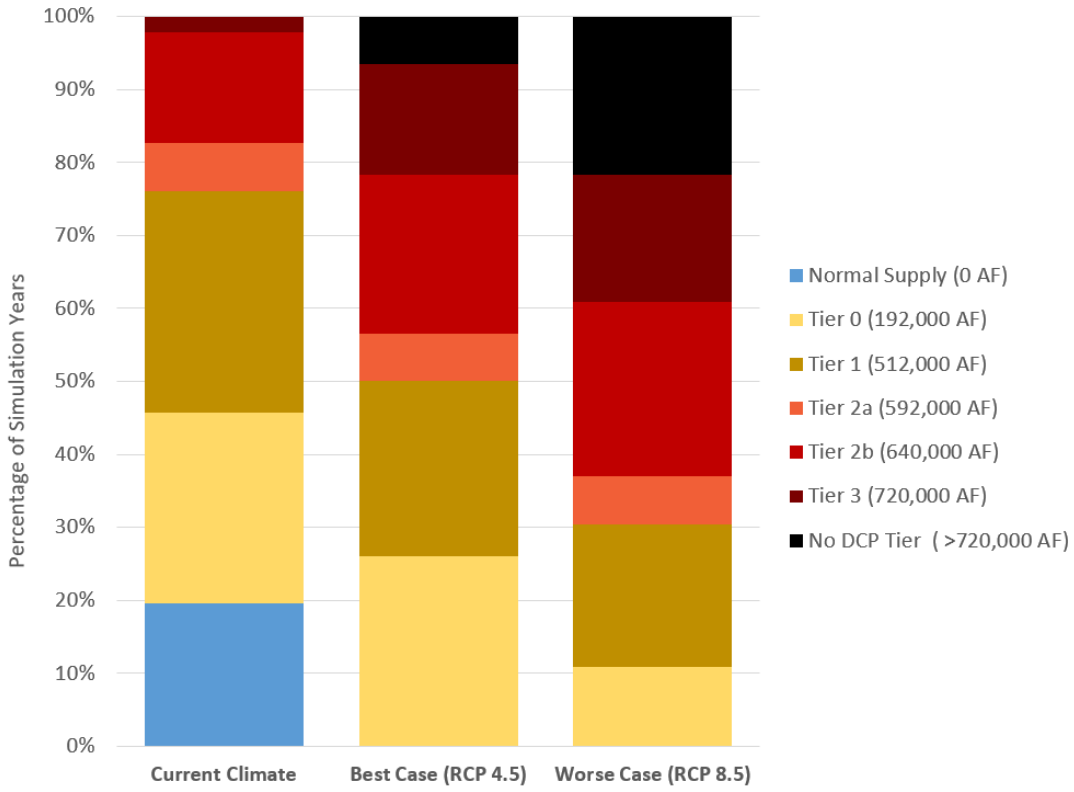


Figure 12 - Frequency and magnitude of reductions to the CAP supply aggregated by climate scenario. Reductions ≤ 720,000 AF are associated with Lower Basin Drought Contingency Plan tiers

Current Climate

The current climate trace depicts a pattern of CAP shortage volumes that are similar to the supply traces from the CRSS model, in which observed hydrology is used. A handful of normal supply years (i.e. no CAP shortage) are intermixed between decadal long periods of shortages that increase in duration and severity as projected uses in the Colorado River Basin increase. The maximum shortage projected in this trace is 720,000 AF, a Tier 3 LBDCP reduction.

Best-Case Climate

As previously mentioned, the best-case climate scenario refers to a future climate condition that is warmer than the current climate scenario. As such, this trace projects overall more reductions to the CAP supply with a clear trend towards deeper, longer and more frequent shortages. Under this shortage trace, there are no normal supply years projected. This trace was created to test reductions to the CAP supply that were severe enough to affect some of the highest priority water users, and includes a reduction as large as 1,000,000 AF or approximately two-thirds of the normal CAP supply. This magnitude of shortage

is greater than any reduction agreed to by CAWCD, but is consistent with results from regionally downscaled global circulation models.

Worse-Case Climate

The worse-case climate trace follows the same general pattern as the best-case climate but is overall more severe. Shortages to the CAP supply never drop below 512,000 AF, a Tier 1 reduction under the LBDCP. The maximum reduction projected in this trace is 1,100,000 AF.

4.3 Modeling Scenarios

Six "without-adaptation" supply and demand scenarios were developed by choosing unique combinations of the growth rate, growth pattern and future climate (Table 1). These scenarios were selected to capture, to the greatest extent possible, the range of potential supply and demand futures in the LSCRB.

Table 1 - Pre-adaptation LSCRBS Modeling Scenarios
(*This table is a modified version of the LSCRB Study supply and demand matrix*)

Scenario ID	Climate Emissions	Growth		Relative Risk
		Rate	Spatial Pattern	
A	Current	Medium	Official	Base
B	Best-Case	Slow	Compact	Low
C	Best-Case	Rapid	Outward	High
D	Worse-Case	Slow	Compact	Low
E	Worse-Case	Medium	Official	Moderate
F	Worse-Case	Rapid	Outward	High

A number of subsequent Project Team meetings were used to flesh out the details of these scenarios and achieve group consensus. A larger Stakeholder Advisory meeting and a public meeting were convened on February 26, 2018 and March 12, 2018 respectively, to solicit additional input on the proposed scenarios. After incorporating the feedback that was received, approval of the scenarios was made on May 8, 2018 by the Project Team.

While climate and growth are the principal drivers of supply and demand, embedded in each of these scenarios are over 25 different parameter settings that affect factors like the relative rate of municipal conservation, agricultural irrigation efficiency, development of agricultural land, etc. For a full list of the modeling assumptions see Appendix B.

5.0 CAP Service Area Model (CAP:SAM)

5.1 Overview

CAP:SAM is best thought of as a systems model and while it uses hydrological data as an input to determine supply availability, it does not explicitly model physical hydrological processes (e.g. precipitation, runoff, etc). The principal utility of CAP:SAM rests in its ability to generate a large array of future supply and demand conditions by manually or probabilistically varying key model parameters that characterize the response of water users to different situations. The response of water users is also highly influenced by sets of laws, rules, rights and practices that define the water management framework applicable to CAWCD's service area. Substantial effort has gone into representing this framework within the model.

5.2 Model Steps

CAP:SAM performs hundreds of complex, interrelated calculations at each model time step. However, the overall structure can be simplified into four basic steps: 1) project demands, 2) determine supplies, 3) request supplies and 4) fulfill demands (Figure 13).

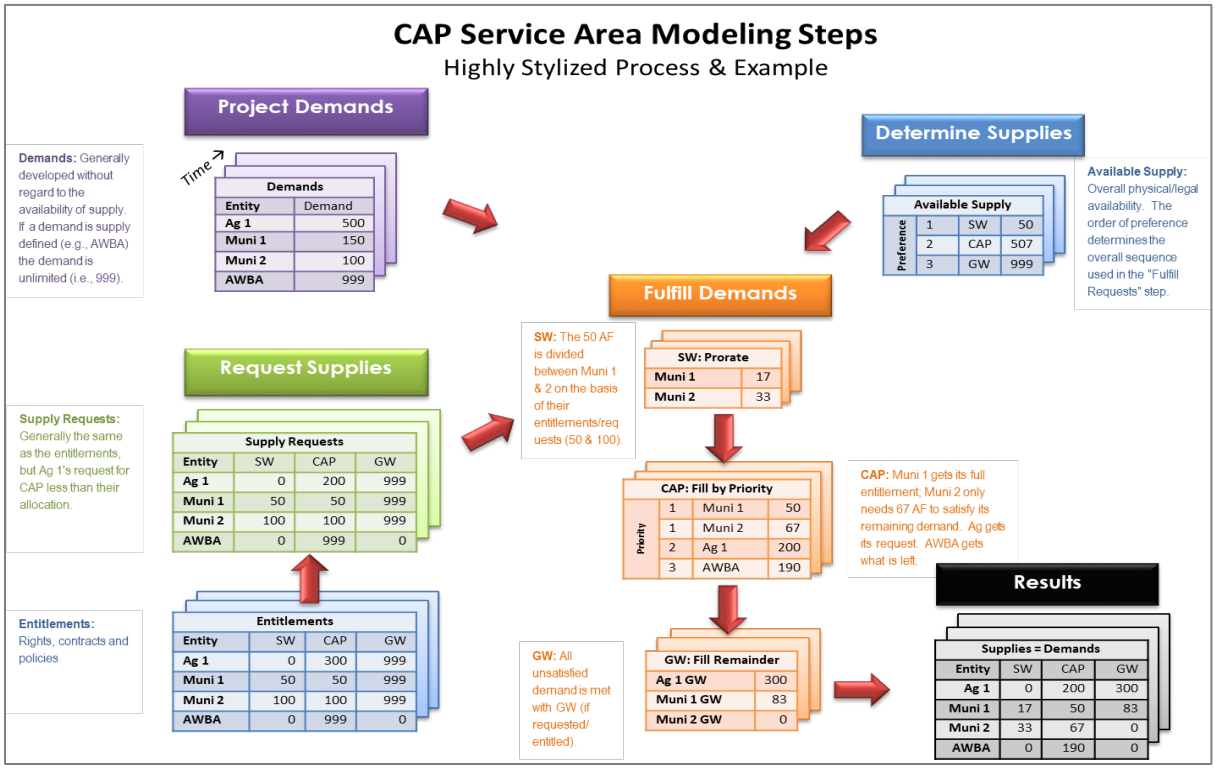


Figure 13 - Simplified version of CAP:SAM's modeling steps

Project Demands

Projecting demand is the first major calculation performed in the model. CAP:SAM generates projections of demand for over 80 public and private water utilities, 23 Agricultural Irrigation Districts and Grandfathered Irrigation Rights, 12 Tribes and Tribal Districts and over 20 other user categories, including the CAGRD, AWBA and industrial users such as mines and power plants. Together, these users account for the majority of the water demand within the three-county model domain. Projections of demand are generally developed without consideration of the available supply. The basis of these projections is discussed further in section 4.2.

Determine Supplies

The second step performed in the model is to determine the supplies available to a specific user. CAP:SAM tracks the total legal and physical supply availability for 16 supply types in each projection year. Supply categories include Effluent, Surface Water, including the Salt River Project, and CAP water. Long-term storage accounts (LTSAs) and Groundwater Allowances (i.e. volume of allowable groundwater pumping not subject to replenishment granted upon issuance of a CAWS or DAWS) are tracked and debits and credits to these accounts occur through time. To model the CAP supply from the Colorado River, CAP:SAM allows the user to input an annual diversion supply for Arizona, demands from on-River users, total system losses, and the net storage to CAP's storage reservoir, Lake Pleasant. CAP:SAM can also utilize externally generated Colorado River supply scenarios from CRSS. For supplies that have multiple users, like CAP water, this model step calculates the aggregate supply available, prior to allocation by priority and individual user.

Request Supplies

CAP:SAM contains extensive water supply data for each of the water-using entities that are simulated by the model. For municipal water providers, this includes legal entitlements to surface water and CAP water, initial balances of both LTSCs and groundwater allowances, remediated groundwater volumes, and for providers that do not have a DAWS, attributes related to any subdivisions that are currently enrolled as MLs of the CAGRD. Similarly, CAP:SAM contains supply portfolios for irrigation districts, Tribes, and others. Most of the supply data for the Study originated from publicly available sources, but Study participants also reviewed and provided revisions to the data.

The "request" step of the model determines how much of each supply in an entity's portfolio will be available to satisfy demand, if necessary. In many cases, the "request" is set at the full volume of the supply that is legally available to

that entity, but there are individual circumstances in which entitlement volumes are individually adjusted either by percentage, or by setting a limit to represent specific preferences or operational limitations. For instance, there are a few water providers that have entitlements to CAP water that they are not putting it to use for legal or operational reasons. In those specific cases, the "request" for that supply is reduced.

For CAP supplies, requests are further differentiated between water destined for a water treatment plant versus annual storage and recovery (ASR). ASR involves storing water underground and subsequently pumping it out for delivery in the same year. CAP:SAM also contains individualized preferences for earning underground LTSCs with any CAP entitlement that is available to a provider after their annual demand has been satisfied. The request portion of the model also includes distribution to CAP water storage facilities, including deliveries to irrigation districts as in-lieu GSFs, or to direct recharge projects (Underground Storage Facilities; USFs). Finally, the request step simulates transfers, leases, exchanges, reallocations, and priority conversions. For this Study, only existing or currently proposed transactions were included.

Fulfill Demands

In the final and most computationally complex model step, information from each of the other three steps (project demand, determine supplies and request supplies) is brought together and reconciled. For each projection year, CAP:SAM takes the demands for each entity and steps through each supply type in a defined sequence, incrementally satisfying the demand of each entity based on their request and their volume of unsatisfied demand. That sequence is a reflection of observed historic behavior, which is largely based on utilizing lower cost supplies first. The allocation method varies among the supplies (see Section 7 below), but the primary sequence for fulfilling demand is as follows:[13]

1. Effluent
2. Exempt groundwater (DAWS)
3. Surface water
4. CAP water (by internal priority system)
5. Recovered CAP long-term storage credits
6. Groundwater allowance
7. Replenished groundwater
8. Exempt groundwater (CAWS)
9. Unknown

[13] Note that in order to account for GSF arrangements, there is some iterative looping within CAP:SAM, so the fulfillment sequence is not as linear as described here.

As the model cycles through each of those supplies, credits and debits to CAP LTSAs and groundwater allowances are calculated. Accruals to LTSAs are based on the storage preference parameters set in the "request" step, and accruals to the groundwater allowance are based on the incidental recharge factor specified in the Designation of Assured Water Supply for each water provider with a DAWS. The incidental recharge factor is calculated by ADWR and represents the ratio of water that recharges the aquifer after delivery and use.

5.3 Demand

Municipal Demand

Water providers modeled in CAP:SAM are determined based on size and relationship to the CAGRD. For this Assessment, 26 water providers in the TAMA were modeled (Appendix A). These providers vary considerably in population served and availability of renewable supplies. The majority of these providers (17 of 26) serve a population less than 16,000 and do not have entitlements to CAP supplies. These smaller providers therefore rely on groundwater pumping to meet current and projected demands. Three providers in the Study are serve populations greater than 40,000, with Tucson Water serving the largest population of approximately 735,000. These larger providers, along with a number of other mid-sized providers, have CAP entitlements that range from a few thousand AF to over 144,000 AF (in the case of Tucson Water), and total approximately 183,000 AF for the AMA.

Municipal water demand is a complex, multifactor phenomenon that is the result of literally millions of individual daily decisions. While this is a topic of extensive research, CAP:SAM takes a fairly simplistic yet effective aggregate approach to projecting this demand. The approach involves multiplying annual projected housing units for each water provider by the bulk water use rate for that provider. In CAP:SAM the bulk water use rate is expressed as gallons per housing unit per day (GPHUD) and is initially determined using the existing demand volume for the most recent year reported to ADWR by each provider. Historically, municipal water demand has declined steadily in the CAP service area since the mid 1980's (Figure 14). This trend in water use is modeled through a series of user defined parameters. To differentiate between the effects of observed long-term declines in water use and future growth related trends, the model separately considers new and existing municipal demand.

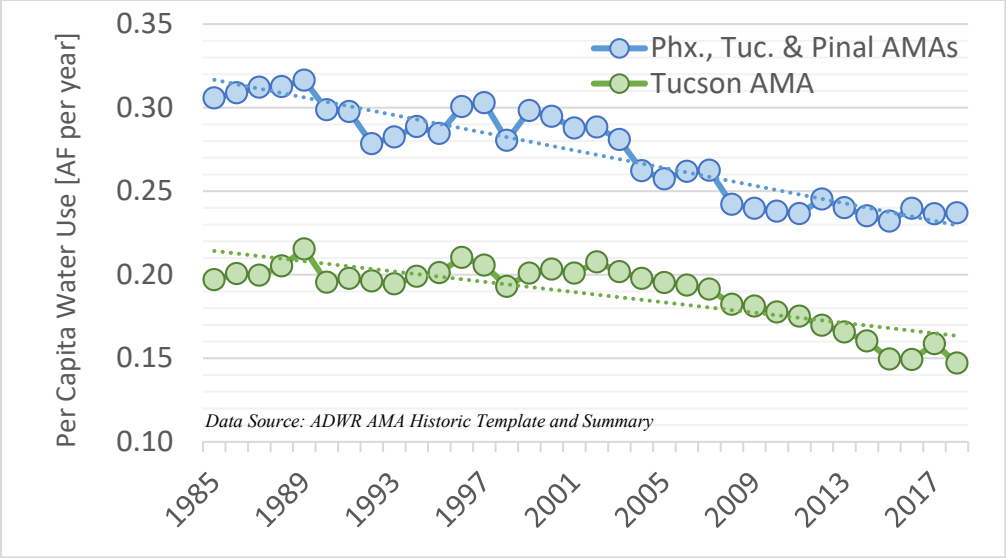


Figure 14 – Total per capita water use across the Phoenix, Tucson and Pinal AMAs from 1985 – 2018 with linear trend line (dotted line). The Study area (Tucson AMA) is isolated for comparison.

Existing Demand

Existing demand represents baseline water use, as reported to ADWR in the most recent annual report, prior to the consideration of future growth. The demand and the count of housing units for that year are used to generate the initial GPHUD value. It is important to note that while the majority of a water provider's demand is associated with residential deliveries, the total demand used to compute the initial GPHUD includes non-residential deliveries (i.e. Industrial, Commercial, Turf, Government and Construction as characterized by ADWR).

The model allows a water provider's GPHUD to vary based on a set of parameters. These parameters include an annual rate of change (+ or -, in %), along with both a cumulative maximum change (in %), and a minimum "floor" (in GPHUD). The floor prevents the modified GPHUD value from dropping to unrealistically low values (if for example a negative rate of change has been specified). If an initial GPHUD is below the floor, its value is held constant at the initial value. CAP:SAM then generates a projection of existing demand by multiplying the modified GPHUD values, which vary through time, by the number of existing housing units at the start of the simulation period, which remains fixed.

New Demand

New demand is simulated in CAP:SAM on the basis of housing units that are projected to be built in each water provider's planned service area. The projected housing units for each provider is determined largely on the basis of

the rate and spatial pattern of growth as discussed in Section 4.1. Similarly to existing demand, CAP:SAM multiplies the projected housing units by a provider specific GPHUD. The GPHUD value used to compute new demand is different than that used to calculate existing demand. CAP:SAM uses as a default a new GPHUD that is 80% of the provider's existing GPHUD, although this can be modified based on preferences. Embedded in this assumption is that newly built housing units will be more water efficient than older, existing units. The same parameters that can be adjusted for existing GPHUD can also be modified for new GPHUD (i.e. annual rate of change, maximum change and minimum floor).

Agricultural Demand

The general CAP:SAM formula for calculating annual demand for an IGFR is as follows:

$$Irrigation\ Demand = \frac{(Total\ Acres\ Irrigated)\ x\ (Crop\ Mix)\ x\ (Consumptive\ Use)}{Irrigation\ Efficiency}$$

Each of the factors listed in the above equation are allowed to vary throughout the simulation.

The footprint of irrigated agriculture cannot expand (other than on tribal lands) but urbanization due to population growth can reduce total agricultural acres and result in a commensurate reduction in irrigation demand. To model this effect, a GIS analysis was performed using ADWR's GIS layer for irrigation districts and individual rights, crop type imagery from the National Agricultural Statistics Service (NASS)[14] and TAZs from the county Association of Governments. The analysis identified and quantified the acreage for each TAZ that wholly or partially intersected active agricultural land. As new housing units are projected for one of these TAZs, reduction in agriculture acreage is calculated based on the average density of surrounding urban uses. For TAZs that straddle active agricultural land and undeveloped desert land, CAP:SAM allows the user to set a preference so that more or less of the agricultural land is developed. The default is that the housing units are split proportionally.

Initial crop mix for a district or right is determined by the NASS crop type imagery. CAP:SAM has the functionality to modify the composition of this crop mix through time to simulate a switch from higher water use crops (e.g. alfalfa and cotton) to lower water use ones. This functionality has not yet been utilized in this study.

[14] https://nassgeodata.gmu.edu/CropScape/

Crop consumptive use and irrigation efficiency are key factors that affect total irrigation demand. Initial crop consumptive use is based on published crop specific values provided in ADWR's Third Management Plans[15]. The initial Irrigation efficiency for each IGFR is computed as the ratio of the total water required to irrigate existing crops and the total agricultural demand reported by ADWR. Each of these parameters can vary through time based on user defined annual percentage rates. The annual rate of change for both parameters is typically set to non-zero, positive values to represent an increase in crop consumptive use due to climate change and an increase in the efficiency of irrigation through time. For this study irrigation efficiency was set to a constant 85% across the simulations.

Tribal Demand

CAP:SAM runs include projections of tribal water use. The majority of tribal water use is modeled as irrigation demand using the same methodology outlined above. CAP:SAM also makes assumptions regarding off-reservation storage at USFs and GSFs, as well as off-reservation leasing. Tribal supplies that are leased to other water providers are included in the individual water provider portfolios. There are three tribal reservations within the Study area (Figure 4) for which individual projections are generated.

5.4 Supplies

Effluent

In the process of fulfilling annual demands, CAP:SAM makes projections of effluent use. This effluent use includes non-potable reclaimed water distribution (i.e., "purple pipe") and any recovered effluent that is indirectly satisfying potable demand (i.e., water that has been stored and is physically groundwater, but is legally accounted for as effluent). CAP:SAM relies on ADWR reported data for a base year, and then allows the use of the effluent supply to increase in proportion to the overall demand.

Importantly, CAP:SAM's effluent accounting does not reflect the total volume of effluent produced or potentially available to a water provider. This capability is currently under development, but for this Study, separate calculations of effluent production were made. In some cases, those calculations resulted in effluent volumes that were greater than what providers have identified plans for putting to use, and were thus characterized as "unused." That term simply denotes that based on current utilization rates and plans, there is likely a volume of effluent that is available for new uses. Appropriately, effluent factors significantly in this

[15] https://new.azwater.gov/ama/management-plan/3

Study as a resource that can be more fully utilized to address groundwater level declines, and could have a large role in reducing reliance on CAGRD replenishment.

Exempt Groundwater (Designated Providers)

For a water provider with a DAWS, certain types and volumes of groundwater are exempt from the requirement for offsetting pumping with recharge of a renewable supply (i.e. satisfying the AWS rules). The most notable is pumping that is required as part of a remediation project for contaminated groundwater. CAP:SAM allows these volumes to be specified and used to satisfy annual demand early in the sequence of supply utilization, even if the provider has renewable supplies that exceed annual demand.

Surface Water

Direct use of surface water supplies other than CAP is limited in the Study area. Most streams are ephemeral or intermittent, flowing only in response to high intensity, short duration precipitation events. While surface water resources are not a significant component of the supplies used in the TAMA, CAP:SAM does consider surface water for other entities in CAP's three-county service area. For example, a primary source of surface water within CAP:SAM's modeling domain is the Salt River Project (SRP). It is important to note that CAP:SAM does not attempt to fully simulate the SRP system. Notably, the SRP supply available to cities is not differentiated between water originating from reservoirs, versus water pumped from wells that is legally accounted for as surface water for AWS purposes. As an approximation of the volumes of SRP water available to each water provider in the "request" step of CAP:SAM, values from SRP's 2008 AWS study were used. Data from each water provider's ADWR Annual Report is then used as the base year for the CAP:SAM projection. That usage rate then varies based on the on-Project demand for the SRP system. To the extent that that demand is increasing, it can grow until it reaches the "request" volume.

CAP:SAM accounts for other surface water in a manner similar to SRP supplies, using ADWR annual reporting data, along with specific data provided by individual users.

CAP Water

CAP supplies are classified into six categories: Third Priority (P3), Indian, M&I, Non-Indian Agriculture (NIA), the Agricultural Pool and Other Excess[16]. These supplies are allocated among tribal entities, municipal and industrial users, as well as

[16] https://knowyourwaternews.com/a-matter-of-priorities/

institutions like the CAGRD and AWBA. Entitlements are based on contract volumes and all existing and pending leases and exchanges are modeled in CAP:SAM. The volumes of NIA-priority supply that have been recommended for reallocation by the Director of ADWR have also been included. In years when Other Excess supplies are available, they are utilized for banking and replenishment by the AWBA and CAGRD, respectively.

Long-Term Storage Credits

CAP:SAM contains the initial balance of LTSCs for each water provider, as tracked by ADWR. The storage preference settings (referenced in section 5.2) allow the supply of CAP LTSCs to increase, and the model makes a cut-to-the-aquifer calculation. Credits can also be recovered (pumped) and used to meet annual demands. For AWS purposes, that recovered water is legally identical to the supply used to create the credit (e.g., CAP water). The use of CAP LTSCs as a supply in CAP:SAM is affected by two primary factors: a preference factor set for each water provider during normal water supply conditions, and a calculation of reduction to a provider's supply based on shortage conditions. The preference factor for most water providers is 1% (i.e., treating the LTSC balance like a 100-year supply), though in cases where providers have indicated a specific management strategy for their credits, the factor has been adjusted. The shortage provisions are tied to reductions to a providers' CAP water supply that are not otherwise firmed by the AWBA (e.g., NIA-priority supplies). When their CAP supplies are reduced, the reduction is made up with recovery of the providers' credits, if available.

Groundwater Allowance (Designated Providers)

Water providers that have a DAWS have a groundwater allowance which represents a volume of groundwater that is permitted to be withdrawn without an obligation to replenish under the AWS rules. This allowance was initially established to help municipal providers transition from groundwater resources to renewable supplies. The manner in which a groundwater allowance is calculated is unique to the AMA. For designated providers in the Study Area that provided water to customers prior to 1995, the initial volume was based on 15x the provider's 1994 demand. This allowance is gradually reduced over time until it goes away in 2025. In addition, designated providers in the Tucson AMA are allowed additional groundwater equivalent to 4% of the previous year's total demand. This is based on the assumption that this volume of water is being returned incidentally recharged to the aquifer. Finally, providers can acquire extinguishment credits that are granted by ADWR when grandfathered

groundwater rights are permanently retired.[17] The management of a groundwater allowance varies by water provider: some have opted to use the balance as it is accrued, some never use it and some treat it like a long-term supply. CAP:SAM allows each of those approaches to be simulated by setting a usage preference percentage (i.e., 100%, 0%, 1% respectively).

Replenished Groundwater

For water providers that have a relationship with the CAGRD, this supply is the volume of groundwater that is reported to ADWR and the CAGRD as "excess groundwater." The physical supply is no different from any other groundwater pumped by the provider, but it generates an obligation on the part of the CAGRD to replenish the aquifer with an equal volume of renewable supply (through recharge or use of previously stored water).[18]

Because CAP:SAM was initially developed to support the CAGRD's 2015 Plan of Operation, the model has some particularly elaborate capabilities to estimate the volume of replenished groundwater, including tracking data on the 1,160 currently enrolled CAGRD ML subdivisions, along with Category 2 MLs (golf courses that do not participate in CAGRD's replenishment reserve program, and MSAs.[19]

Exempt Groundwater (Undesignated Providers)

For water providers that do not have a DAWS, there are several categories of groundwater use that do not require replenishment. These include the groundwater allowances granted to each CAWS issued to subdivisions served by the provider, any non-subdivision demand, pre-1995 subdivision demand, and lost and unaccounted for water. Because the volume of replenished groundwater is calculated in a previous model step, the primary calculation of this supply is based on the amount of demand that hasn't yet been satisfied.

Unknown

Within CAP:SAM, the "unknown" supply is calculated primarily as a zero checksum to verify that a providers' entire demand has been satisfied with supplies that are consistent with the AWS Rules. For purposes of this Study, any volumes of "unknown" were assumed to be satisfied with groundwater.

[17] A more complex set of calculations are made for the Pinal AMA where groundwater allowances are affected by unique provisions related to pre-2007 extinguishment credits

[18] In keeping with CAGRD operations, a three-year lag in demand is introduced to simulate the time difference between when Excess Groundwater is reported and when the replenishment takes place.

[19] See http://www.cagrd.com/operations/plan-of-operation/current-plan and https://www.cagrd.com/news/1389-cagrd-mid-plan-review for or additional detail.

6.0 Modeling Results

6.1 Demand

Projected housing units in the Study area grow year-over-year under all six modeling scenarios (Table 2). The magnitude of this growth is determined by the combined impact of the rate as well as the spatial pattern (Section 4.1) defined for each scenario. For Scenarios C and F, which assume a rapid growth rate coupled with an outward spatial pattern, over 912,000 housing units are projected by the year 2060. This represents a roughly 54% increase from current levels. In contrast, Scenarios B and D, which contemplate a more conservative future growth condition (i.e. slow rate coupled with a compact spatial pattern), result in a projection of approximately 526,000 housing units at the end of simulation, a 21% increase from current levels. Combined, the modeled scenarios represent a range of roughly 387,000 housing units by 2060.

Table 2 - Total projected housing units in 2060 by water provider. Scenarios that are grouped together utilize the same spatial pattern and growth rate

	Total Housing Units (2060)			Housing Unit Growth 2020 vs 2060 [%]		
Water Provider	A &E	B & D	C &F	A &E	B & D	C &F
Avra Water Co-op	2,098	1,885	3,769	+10%	+0%	+50%
Arizona Water Company, Oracle	3,831	2,064	7,747	+58%	+30%	+80%
Comm. Water Co. of Green Valley	14,427	13,014	27,268	+16%	+9%	+56%
Farmers Water Company	10,293	8,902	17,007	+46%	+43%	+67%
Flowing Wells Irrigation District	7,581	7,569	8,743	+0%	+1%	+14%
Green Valley DWID	6,109	5,520	12,761	+23%	+16%	+63%
Lago Del Oro	7,586	4,751	14,107	+53%	+28%	+75%
Las Quintas Serenas	1,571	1,413	2,962	+27%	+22%	+62%
Los Cerros	1,048	726	2,549	+43%	+20%	+77%
Marana	34,798	24,971	58,412	+58%	+49%	+77%
Marana Domestic	418	349	1,383	+17%	+0%	+75%
Metro Diablo	5,394	2,524	8,959	+75%	+56%	+87%
Metro Hub	1,533	1,639	1,998	+5%	+12%	+28%
Metro Main	24,518	22,618	34,480	+9%	+5%	+37%
Metro West	301	144	1,597	+65%	+27%	+93%
Oro Valley	29,812	23,817	54,646	+33%	+19%	+64%
Quail Creek	2,545	2,235	4,225	+24%	+15%	+54%
Ray Water	2,793	2,425	4,994	+18%	+8%	+55%
Ridgeview	570	316	1,133	+55%	+26%	+78%
Saguaro	1,083	747	1,225	+51%	+31%	+57%
Sahuarita	7,110	5,942	13,930	+35%	+26%	+67%
Spanish Trail	4,157	2,650	4,382	+75%	+63%	+76%
Tucson	445,766	381,775	611,536	+28%	+20%	+50%
University of Arizona	75	75	76	+3%	+5%	+7%
Vail	7,834	6,036	10,565	+58%	+48%	+68%
Voyager	1,670	1,612	2,012	+6%	+4%	+22%
Total	**624,921**	**525,720**	**912,467**	**+31%**	**+21%**	**+54%**

As described in Section 5.3 of this report, annual municipal demand for each water provider is modeled in CAP:SAM as the product of housing units and GPHUD. Both housing units and the GPHUD values are differentiated on the basis of new vs. existing. Variations in housing unit projections in conjunction with different usage rates, have a marked impact on demand projections for the Study area (Table 3). This is particularly relevant for providers located north, south and east of the Tucson city limits. A large range in projected demand for these areas is due to variations in the number of housing units under the different spatial growth patterns. These providers include Marana, Oro Valley, Sahuarita, Green Valley DWID, Community Water Company of Green Valley and Spanish Trail.

Not surprisingly, the impact of differing growth assumptions is most evident when comparing slow and compact growth (Scenarios B and D) to rapid outward growth (Scenarios F and C). Based on additional assumptions regarding future trends in GPHUD (Appendix B), Scenarios B and F are the endmembers for the municipal demand projections. Demand in 2060 ranges from a maximum of about 271,500 AF in Scenario F to a minimum of about 158,300 AF in Scenario B.

Table 3 - Total projected water demand in 2060 by scenario by water provider

	Total Municipal Demand - 2060 [AF]					
Water Provider	A	B	C	D	E	**F**
Avra Water Co-op	755	709	1,099	751	797	1,140
Arizona Water Company, Oracle	900	582	1,598	609	927	1,625
Comm. Water Co. of Green Valley	2,444	2,564	4,638	2,595	2,803	4,664
Farmers Water Company	1,993	1,857	3,530	1,906	2,143	3,552
Flowing Wells Irrigation District	1,875	1,876	2,120	1,986	1,985	2,239
Green Valley DWID	2,308	2,110	4,384	2,232	2,441	4,626
Lago Del Oro	4,017	3,013	6,240	3,187	4,244	6,584
Las Quintas Serenas	547	491	1,000	519	578	1,055
Los Cerros	337	265	673	280	356	710
Marana	7,451	5,397	12,860	5,823	8,132	13,682
Marana Domestic	240	223	470	236	254	496
Metro Diablo	841	474	1,296	491	858	1,313
Metro Hub	759	802	934	848	804	988
Metro Main	7,189	6,779	9,750	7,176	7,607	10,304
Metro West	64	47	201	49	67	204
Oro Valley	12,477	10,142	22,178	10,727	13,185	23,397
Quail Creek	710	641	1,095	679	750	1,156
Ray Water	655	579	1,145	611	687	1,181
Ridgeview	643	516	921	546	680	973
Saguaro	503	414	540	438	531	570
Sahuarita	2,010	1,771	3,521	1,866	2,113	3,675
Spanish Trail	1,099	682	1,185	708	1,176	1,238
Tucson	127,782	112,775	171,693	119,283	135,080	181,302
University of Arizona	1,307	1,308	1,309	1,385	1,384	1,386
Vail	2,205	1,805	2,805	1,894	2,307	2,928
Voyager	498	489	557	517	526	586
Total	**181,609**	**158,309**	**257,744**	**167,342**	**192,416**	**271,574**

Detailed descriptions for projections of housing units, GPHUD values and total municipal demand are provided in Appendix C of this report.

Agricultural Demand

Despite persistent urbanization, recent agricultural demands have remained relatively constant in the Study area, exhibiting modest year to year fluctuations. This is due in part to increases in crop and commodity prices and to a lesser degree Federal subsidy programs. From 2000 to 2018, agricultural demand averaged just over 100,600 AF with a maximum and minimum of approximately 113,500 AF and 86,300 AF, respectively.

The full range of agricultural demand projections for the Study area developed by CAP:SAM fall within this historical variability (Figure 15). In general, all projections decrease slightly from current demand due to an assumed continuation of agricultural land urbanization. Demand decreases more rapidly for scenarios that assume a larger increase in irrigation efficiency through the projection period (Appendix B). Increases in crop consumptive use as a result of a hotter and drier future climate counterbalance this decline. The percent decrease in projected demand by the year 2060 ranges from a maximum of 13% to a minimum of 4%.

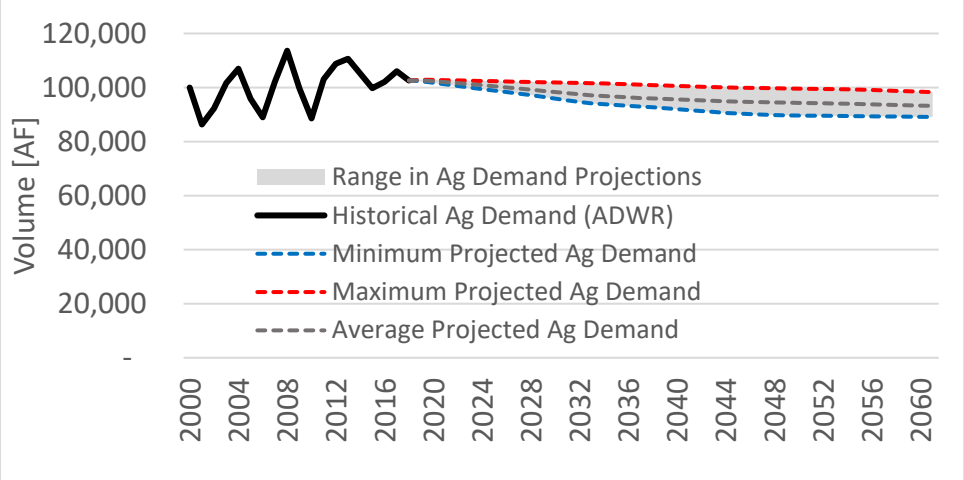


Figure 15 - Range in projected agricultural demand

Tribal Demand

Tribal demand in the TAMA is predominately agricultural demand with a small portion of municipal and industrial demand. In total this demand represents a small component of the projected demand for the Study area. Projected tribal demand across all sectors ranged from 17,600 AF to 19,200 AF in 2060, representing roughly a 4% decrease and increase from current levels, respectively.

Industrial Demand

CAP:SAM has the capability to model industrial demands that can be either tied to, or independent of, municipal demand. For this Study, projections of Industrial demand were generated outside of CAP:SAM as part of the groundwater modeling tasks (Tasks 3 and 4; Figure 3). These projections assumed a constant demand of ~45,000 AF per year, of which over 70% is associated with mining activity. Industrial demand projections for Scenarios C and F also assume an increase in mining activity beyond current levels. Industrial demand is anticipated to be fully satisfied through groundwater pumping. Detailed descriptions of these projections can be found in the groundwater modeling Technical Memorandum and are excluded from further discussion in this report.

Other Demand

Some historic municipal and agricultural demand not modeled in CAP:SAM was included and held constant in the groundwater model runs. This includes approximately 12,000 AF per year associated with agricultural activity that occurs in the Pinal and Santa Cruz AMAs but falls within the groundwater model domain. In addition, approximately 6,000 AF per year of municipal demand associated with small water providers not modeled in CAP:SAM was included in the groundwater model. Similarly to the industrial demand, these projections are covered in the groundwater model Technical Memorandum and therefore not discussed in this report.

Total Demand

Total projected demand in 2060 ranges from a 5% decrease (Scenario B) to a 37% increase (Scenario F), compared to current levels (Figure 16). Scenarios C and F resulted in the greatest increase in demand, primarily as a result of rapid, outward population growth. Scenarios B and D, which assume slow and compact growth, resulted in the smallest increase in demand. In addition to slower, more urban-centric growth, Scenario B includes additional assumptions regarding agricultural efficiency and municipal conservation (Appendix B) that result in the projected demand for 2060 being lower than historic demands. Scenarios A and E both result in moderate increases in demand of 2% and 8%, respectively.

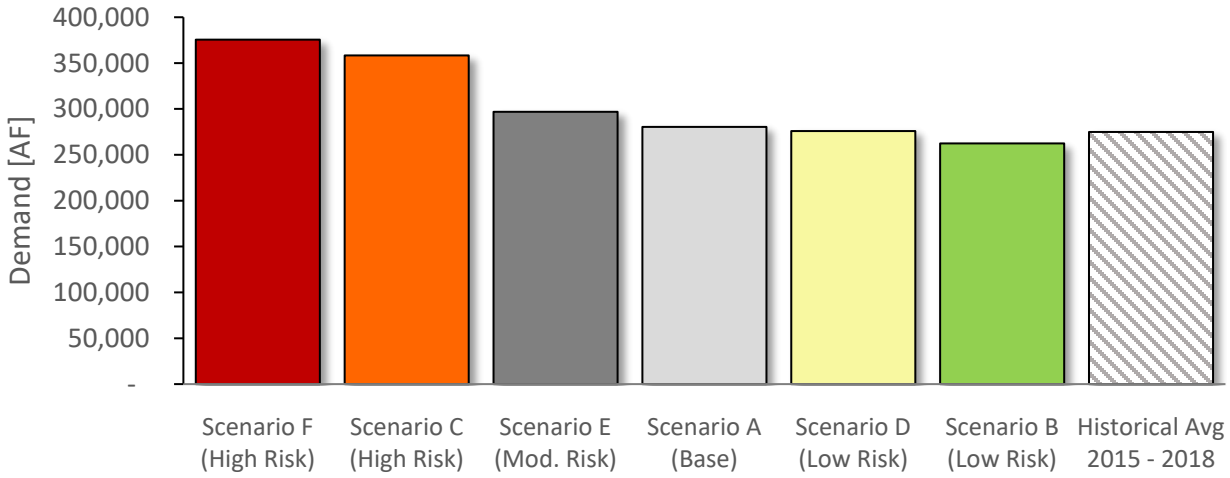


Figure 16 – Total projected demand in 2060 by Scenario. Historical average determined using ADWR's AMA Historic Template and Summary. "Risk" refers to the relative impact to water supply reliability and the environment due to the degree of climate change and projected population growth.

6.2 Supply

Supplies that are projected to meet demands at the end of the simulation period are shown in Figure 17. The availability of these supplies is driven in large part by two factors: climate and the location in which growth is projected to occur. As previously discussed (Section 4.2), the effect of modeling a warmer and drier climate in CAP:SAM is a reduction in the annual availability of CAP supplies. These reductions have a ripple effect and impact the utilization of subsequent supplies. For example, if in a typical year a water provider's portfolio is made up of half renewable CAP supplies and half groundwater supplies, a 50% reduction to their CAP supplies would result in the provider increasing their groundwater usage by 50% to meet their total demand. Water providers in the Study area differ substantially in their access to renewable CAP supplies and their relationship with the CAGRD. Many of the larger, designated providers serving the central portions of the TAMA have comparatively large CAP entitlements, while the smaller providers serving the peripheral areas of the AMA have either small entitlements or no CAP supplies at all. These smaller providers relying heavily on groundwater to meet demands. Much of the projected groundwater use for these smaller providers incurs a replenishment obligation on the part of the CAGRD. Due to this spatial distinction, the location of anticipated growth heavily impacts what supply types are used to meet projected demand.

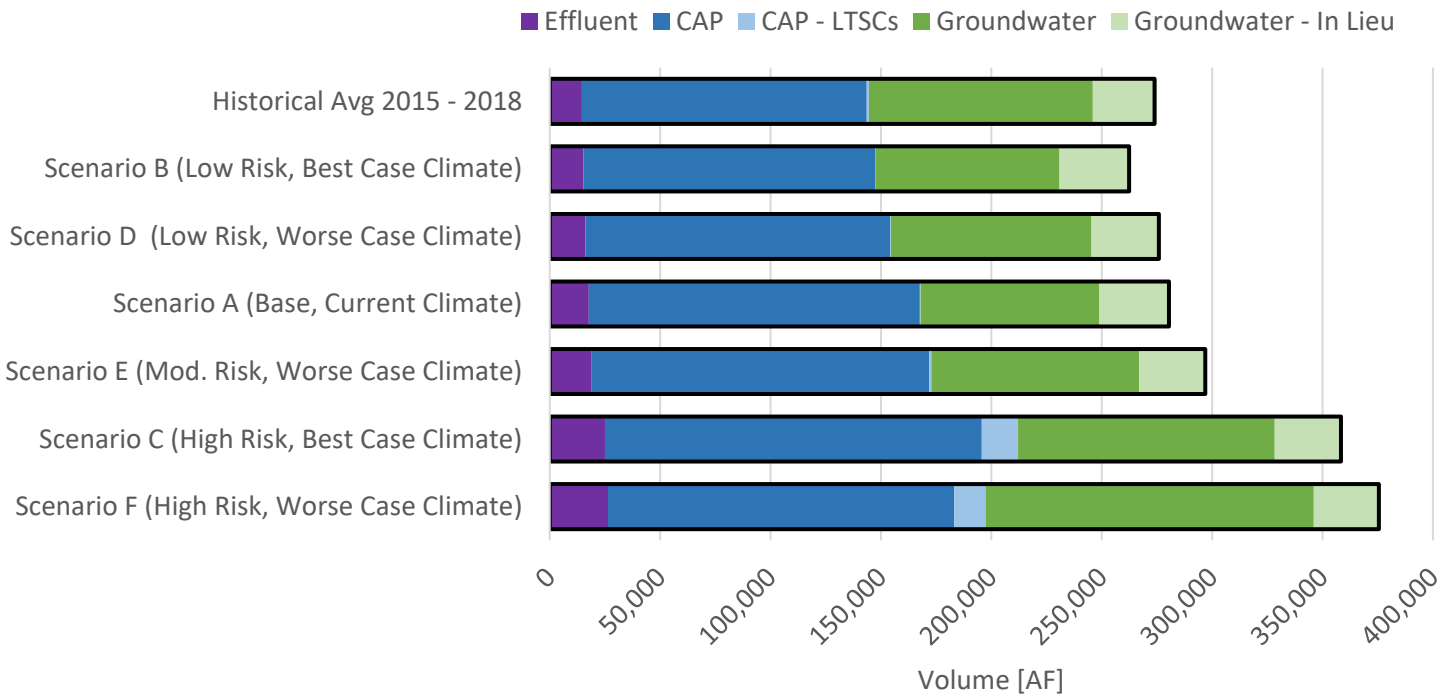


Figure 17 - Projected supply utilization to meet municipal, agricultural and tribal demand in 2060. Historical average determined using ADWR's AMA Historic Template and Summary. "Risk" refers to the relative impact to water supply reliability and the environment due to the degree of climate change and projected population growth.

For each model scenario, effluent use is projected to increase in proportion with increases in municipal demand. Effluent represents on average approximately 6% of the total supply across scenarios in 2060. CAP supply utilization is also projected to increase across all scenarios, as use of the supply shifts from earning LTSCs to meeting growing annual demands. In the rapid growth scenarios (C and F), as municipal sector demand grows, recovery of stored CAP LTSCs increases substantially from historic levels. There is also a higher reliance on groundwater in Scenarios C and F to meet this demand. The outward growth projection for these scenarios results in more growth occurring in communities with smaller and less diverse renewable supply portfolios. As noted earlier, much of this groundwater reliance would generate a requirement for replenishment under the AWS rules, either by the CAGRD or the water provider themselves. In-lieu supplies vary slightly amongst scenarios as a function of CAP availability, but in general remain fairly constant.

6.3 Effluent

Effluent in excess of what is used to meet municipal demand is modeled anually for the TAMA. This volume is characterized as being stored, either at constructed or managed USFs. The proportion of excess effluent allocated among these different uses was informed by stakeholder input as well as the annual Effluent Generation and Use Reports prepared by the Pima County Regional Wastewater Reclamation Department[20]. Current effluent supplies, as well as those projected (Figure 18), represent a valuable resource that can be utilized to alleviate the supply and demand imbalances identified in this Study.

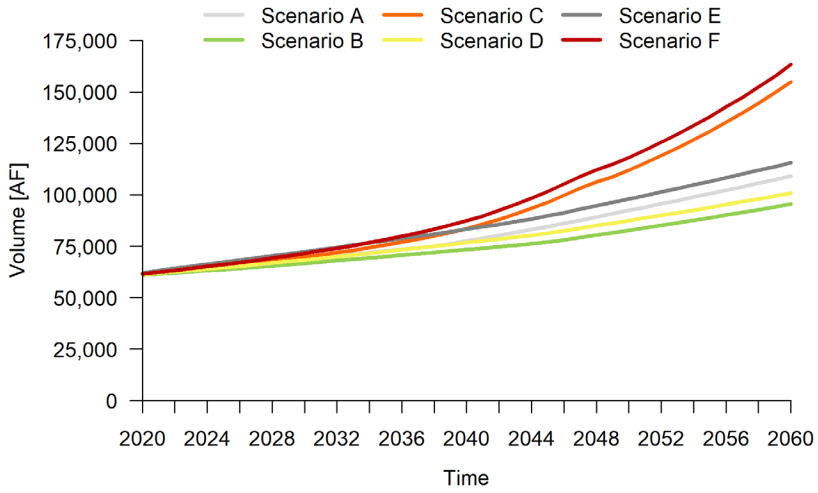


Figure 18 - Total projected effluent production.

Currently about 63% of the effluent generated in the TAMA is being discharged to the Santa Cruz River through the Tres Rios and Agua Nueva Water Reclamation Facilities. Much of this discharge is associated with the Lower Santa Cruz Managed Recharge Project which generates LTSCs for the participants. Effluent discharged into the Santa Cruz River is considered "managed" recharge (i.e. discharge to a naturally water-transmissive are such as a streambed) until it reaches Trico Road, near the county line. Under each modeling scenario, the percentage of effluent discharged to the Santa Cruz River is projected to increase, ranging from approximately 71% to 80% in 2060 (Figure 19).

Effluent supplies that are projected to be discharged into the Santa Cruz River, beyond what is necessary to maintain wildlife habitat, are a crucial resource to consider for adaptation strategies. While discharging effluent results in a net

[20] https://webcms.pima.gov/government/wastewaterreclamation/

benefit to the aquifer, this water could be distributed elsewhere within the region to address localized problem areas.

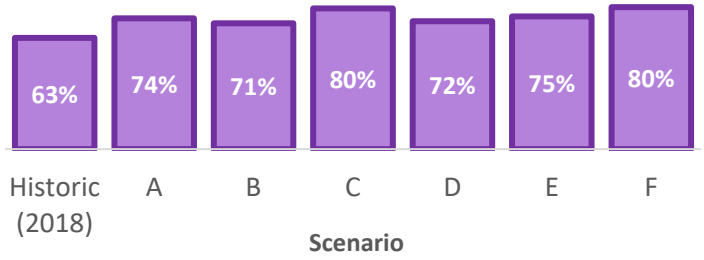


Figure 19 - Percent of produced effluent that is projected to be discharged to the Santa Cruz River in 2060

6.3 Pumping

Pumping generates a net stress on the aquifer that must be offset by recharging an equal volume of water in order to achieve regional safe-yield. While much of the pumping in the Tucson AMA is stored water which is then recovered in the same year (ASR), the spatial disconnect between the locations where pumping and recharge occur can result in local aquifer impacts, even while satisfying the AMA's safe-yield goal. Total pumping projected across all scenarios is shown in Figure 20. As a reminder, these pumping volumes exclude approximately 64,000 AF annual pumping associated with historic demands not modeled in CAP:SAM, as well as industrial demand projections.

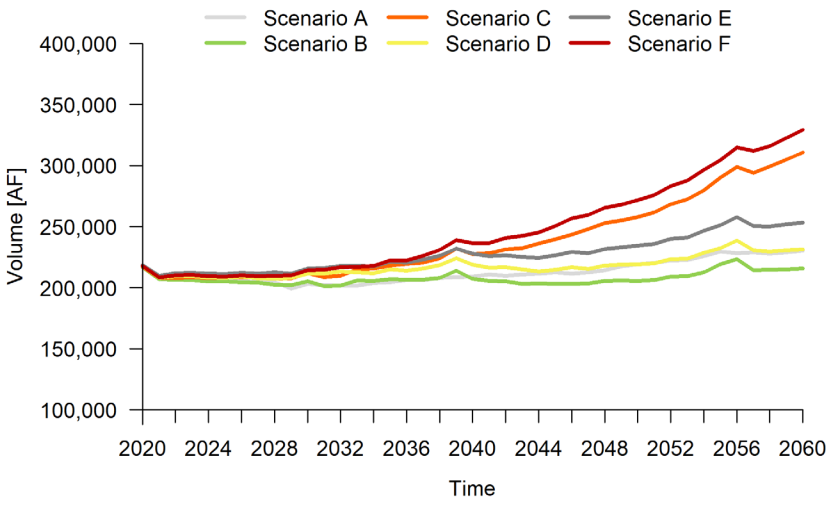


Figure 20 – Total pumping by scenario. Projections include agricultural pumping, municipal pumping (groundwater, ASR, CAP LTSC recovery), tribal recovery and AWBA recovery

With the exception of Scenario B, pumping is projected to steadily increase for all scenarios during the projection period. Pumping volumes in 2060 represent a net increase from historical levels that ranges from 6% (Scenario A) to over 50% (Scenario F). While annual variations in pumping occur in Scenario B, there is effectively no net increase in pumping from historical levels. Reduced availability of renewable supplies, an increased recovery burden placed on the AWBA during times of shortage and growth in groundwater dependent areas, all result in an increase in projected groundwater pumping. Abrupt spikes in pumping that occur in 2039 and 2056 are associated with the simulation of extreme reductions to the CAP supply (Figure 11).

AWBA Recovery

Since its inception in 1996, the AWBA has stored over 4 million AF of CAP water underground. During times of declared shortage on the Colorado River, these credits will be recovered (pumped) for the purpose of increasing the reliability of supplies for CAP M&I subcontractors and Fourth Priority (P-4) On-River M&I users (known as firming). Credits will also be used to meet the State's Indian firming obligations, as well as to meet interstate water banking obligations with Nevada. A comprehensive analysis of the magnitude, timing and frequency of credit recovery for the purpose of firming is beyond the scope of this report but is discussed in great detail in the 2021 Joint Recovery Update authored by the Recovery Planning Advisory Group[21].

To date, approximately 830,000 AF of AWBA credits have been accrued in the Tucson AMA. Recovery of these credits is projected to occur across all scenarios (Figure 21). In general, AWBA recovery represents a small component of the total projected pumping and ranges from a total of approximately 87,000 AF to 110,000 AF over the projection period. During years of severe impact to the CAP system, recovery peaks as a result of increased firming for M&I and tribal users. This phenomenon is most prevalent in Scenarios D, E and F, in which the worse-case climate is assumed. For each scenario, an interstate recovery volume of about 3,300 AF is projected to begin in 2030 and remains constant through the simulation.

[21] https://new.azwater.gov/rpag

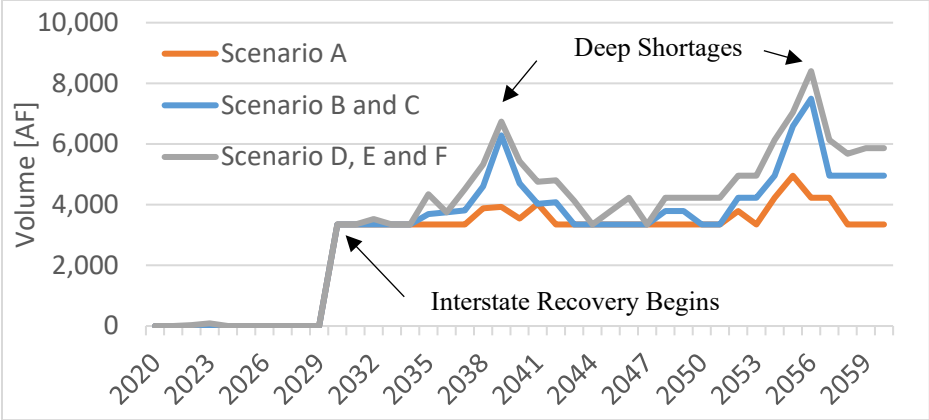


Figure 21 – Projected AWBA recovery volumes

Annual Storage and Recovery

Annual storage and recovery is a strategy used by many of the water providers in the Study area to utilize their CAP water. In each scenario there is a general upward trend in annual storage and recovery as existing CAP supplies are fully utilized (Figure 22), with the rate of increase varying across scenarios. During the initial half of the simulation period, there is a modest difference among the scenarios in projected ASR.

By the latter half of the simulation period, the effect of the growth assumptions are evident. Due to the rapid growth assumption, ASR under Scenarios C and F ramps up quickly. As previously mentioned, large reductions to the CAP supply are projected to occur during the latter part of the simulation period. These reductions, particularly those projected to occur in 2056, result in fairly drastic reductions to ASR volumes. ASR then rebounds as reductions to the supply are less severe. Scenarios with less aggressive growth assumptions result in a more gradual increase in ASR over time and do not exhibit the same reductions associated with severely reduced CAP availability.

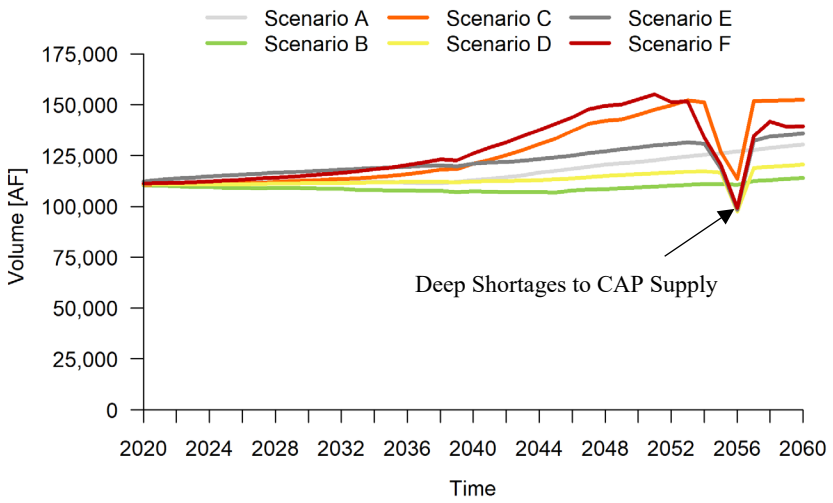


Figure 22 – Annual storage and recovery projections

Groundwater Subject to AWS

CAP:SAM makes projections of groundwater demand for several legal categories, but it does not simulate the physical properties of the regional groundwater aquifer. As such, it does not have the ability to constrain the supply of groundwater on the basis of physical availability or pumping extraction costs. The ability to continue to satisfy the physical availability provisions of the AWS rules is beyond the scope of CAP:SAM's capabilities, but is a central benefit of connecting CAP:SAM results to the groundwater flow model.

While total groundwater pumping is not constrained in CAP:SAM, if the projected demand for a provider exceeds the availability of renewable supplies, exempt groundwater and LTSCs, the corresponding volume incurs a replenishment obligation under the AWS rules. This volume requires offsetting replenishment by either the CAGRD or the provider themselves, and depends on the acquisition or development of renewable supplies within the AMA. The rate of groundwater use that is subject to replenishment varies substantially across scenarios (Figure 23). Total volume for the simulation period ranges from a maximum of 570,000 AF in Scenario F to a minimum of 231,000 F in Scenario B (Table 4).

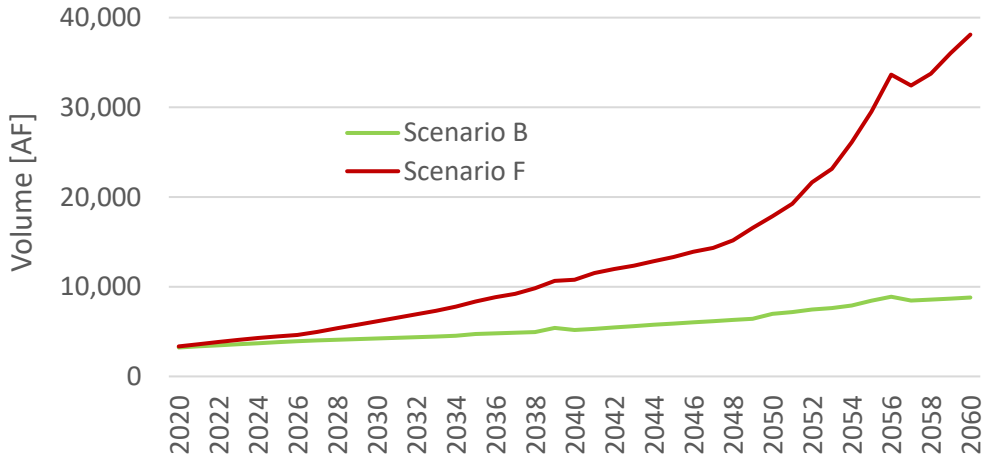


Figure 23 – High end (Scenario F) and low end (Scenario B) projections for groundwater pumping subject to replenishment under the Assured Water Supply rules.

Table 4 – Projected annual volume of groundwater subject to replenishment under the AWS rules in 2060

Modeling Scenario	Groundwater Subject to AWS Rules	
	Annual Volume (2060)	Total Volume (2020 – 2060)
Scenario A	12,700 AF	330,100 AF
Scenario B	8,800 AF	231,000 AF
Scenario C	34,400 AF	517,400 AF
Scenario D	9,500 AF	250,600 AF
Scenario E	14,300 AF	368,400 AF
Scenario F	38,100 AF	570,000 AF

6.4 Artificial Recharge

Recharge represents a net contribution to the aquifer that offsets groundwater pumping from a regional safe-yield perspective. Projections of artificial recharge (i.e. excluding natural recharge) over the study period exhibit a general downward trend (Figure 24). Variability in the utilization of recharge capacity is influenced heavily by reductions to the CAP supply. This is true for water providers storing their CAP entitlements, as well as entities like the AWBA and CAGRD storing Other Excess CAP supplies. Effluent storage at USFs is projected to modestly increase during this time period.

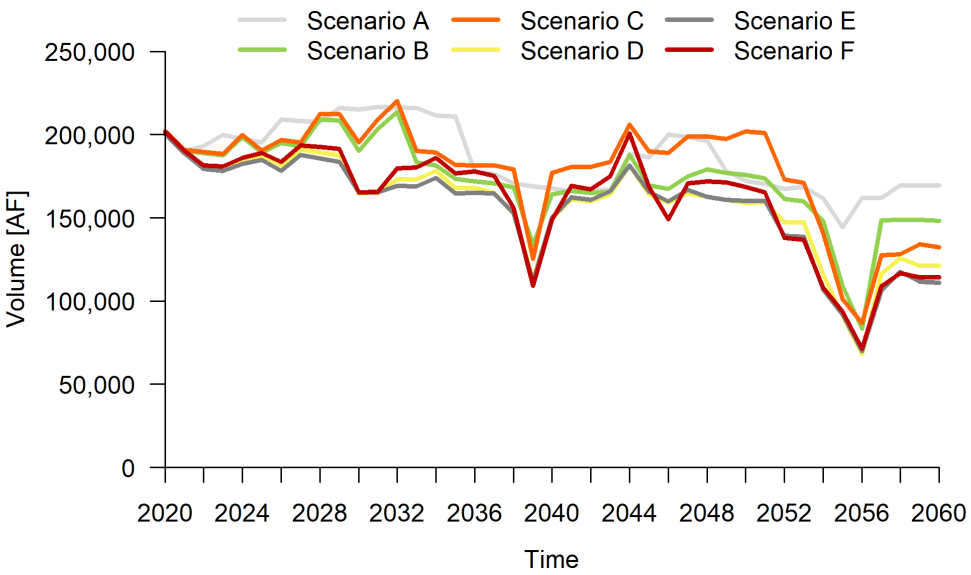


Figure 24 – Total annual recharge volume. Includes effluent and CAP supplies stored at USFS. Does not include GSF storage

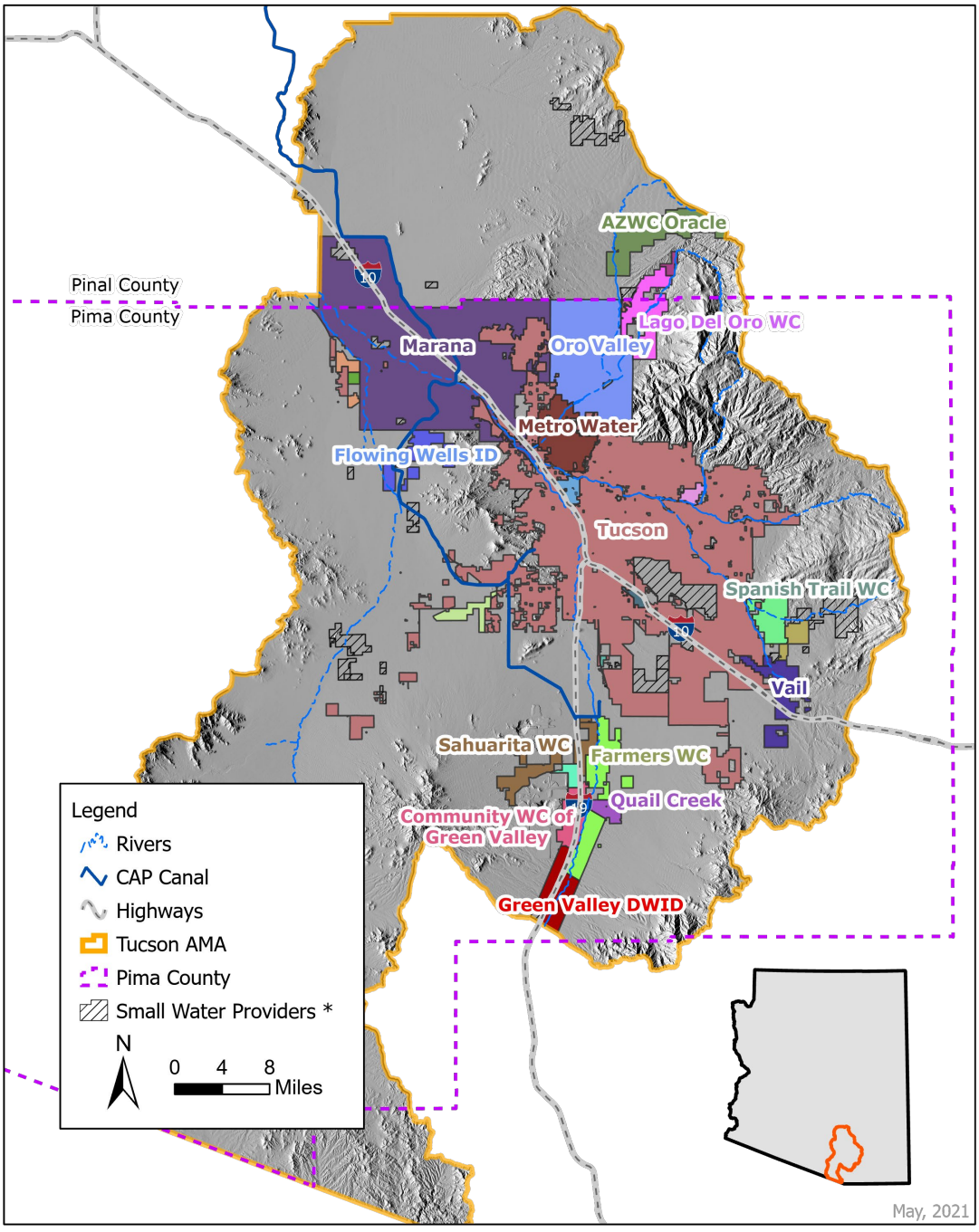
7.0 Connection to Groundwater Flow Model

Upon completion of the Supply and Demand Assessment, CAP provided CAP:SAM modeling results, including those discussed in Section 6.0, to Reclamation for use as MODFLOW input files for the groundwater modeling. A detailed description of these files can be found in a CAP memo included as Appendix D.

Appendix A – Water Provider Service Areas

Water Provider Service Areas

Lower Santa Cruz River Basin Study



Water providers highlighted but not explicitly labeled include: Avra Water Co-op, Las Quintas Serenas, Los Cerros, Marana Domestic Water Improvement District, Metro Diablo, Metro Hub, Metro West, Ray Water Company, Ridgeview, Saguaro, University of Arizona and Voyager

* Small water providers are not explicitly modeled in CAP:SAM for this Study

Appendix B – CAP:SAM Modeling Parameters

Key CAP:SAM Modeling Parameters by Scenario

Parameter	Scenario					
	A	B	C	D	E	F
CAP Shortages	Current Climate	Best-Case Climate	Best-Case Climate	Worse-Case Climate	Worse-Case Climate	Worse-Case Climate
Surface Water Reduction	Current Climate	Best-Case Climate	Best-Case Climate	Worse-Case Climate	Worse-Case Climate	Worse-Case Climate
Growth Rate (AOEO[1] Series)	Medium	Slow	Rapid	Slow	Medium	Rapid
Growth Pattern (Applied Economics)	Official	Compact	Outward	Compact	Official	Outward
Existing GPHUD[2], Rate of Change [%]	-0.8	-0.6	-0.6	-0.4	-0.4	-0.4
Existing GPHUD, Max Rate of Change [%]	-15	-15	-15	-10	-10	-10
Existing GPHUD, Min Value	150	180	180	200	200	200
New GPHUD, Rate of Change [%]	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
New GPHUD, Min Value	150	180	180	200	200	200
New GPHUD, Max Rate of Change [%]	-5	-5	-5	-5	-5	-5
Ag Efficiency , Rate of Change [%]	0.1	0.1	0.1	0.1	0.1	0.1
Ag Efficiency, Max [%]	80	90	80	80	80	80
Ag Climate Consumptive Use Rate of Change [%]	0	0.1	0.1	0.2	0.2	0.2

* Parameters that are applicable across all scenarios include:
  - Use of the 2045 CAP buildup schedule
  - Medium housing unit recovery rate
  - No crop type replacement
  - No reinvestment in underutilized agricultural lands
  - Maximum 20% AWBA firming for municipal and industrial subcontractors

[1] AOEO = Arizona Office of Economic Opportunity

[2] GPHUD = Gallons per housing unit per day

Appendix C – CAP:SAM Supply and Demand Projections

CAP:SAM Supply and Demand Projections by Water Provider

Appendix D – Groundwater Modeling Memo

CAP Memo Detailing CAP:SAM Files Provided to Reclamation for the Purpose of Groundwater Modeling

MEMO

Date: December 18, 2019

To: The Lower Santa Cruz River Basin Study Project Team

From: Central Arizona Project

Subject: Supply and Demand Files for Input into the Groundwater Flow Model

Background

Central Arizona Project (CAP) is a non-federal cost-share partner of the Lower Santa Cruz River Basin Study and has developed future water supply and demand projections for the study area using the CAP Service Area Model (CAP:SAM). Outputs from CAP:SAM serve as inputs into the groundwater flow modeling being conducted by the Bureau of Reclamation.

List and Explanation of Files

The following list of files were provided to the Bureau of Reclamation by CAP for the purpose of generating groundwater model runs. These files were provided for each of the six modeling.

Agriculture

- Total demand, by supply type, by district, by year
- Footprint of active acres, by Irrigation district, by grid cell, by year.
    - Changes due to involuntary fallowing and urbanization
    - Used, with total demand, to spatially distribute incidental recharge.
- Total on-reservation demand by water type, by tribe, by year
    - Used to compute incidental recharge.
- Groundwater pumping by irrigation district, by well, by year
- Groundwater pumping for IGFRs (not part of an irrigation district) by well by year

Municipal

- Groundwater pumping and recovery by water provider by well by year
    - Includes providers in CAP:SAM and all other small providers not modeled individually in CAP:SAM

Recharge

- USF recharge volumes by facility by year
    - Direct recharge input into the model
    - Include accrual of LTSCs (municipal) and Arizona Water Bank Authority storage
- Footprints of USFs (if needed)

Effluent

- Total effluent produced per year
    - This is effluent not used directly (i.e. purple pipe or recovery) to meet municipal demand.
    - Additional coordination with the supply and demand sub-team will be necessary to spatially distribute this volume

Recovery

- AWBA recovery by well by year

CAP:SAM Supply and Demand Projections by Water Provider

Scenario A

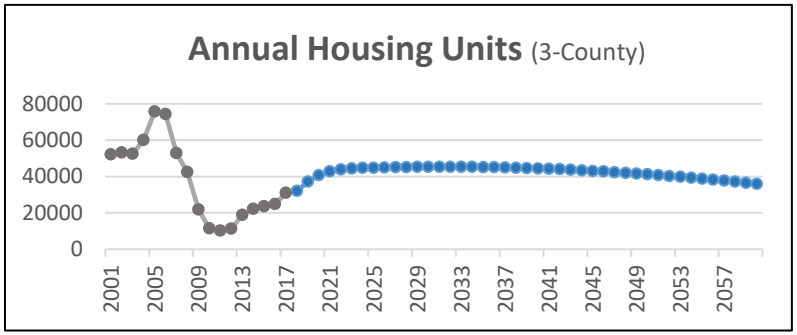
Climate: Current
Growth Rate: Medium
Growth Pattern: Official
Relative Risk: Base

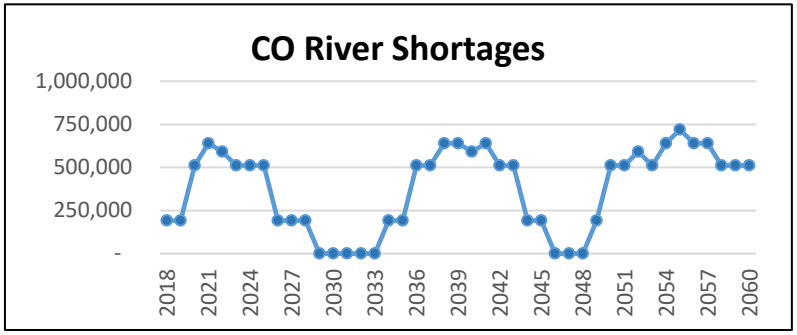
A. Official, Historic Climate [LSCRBS]

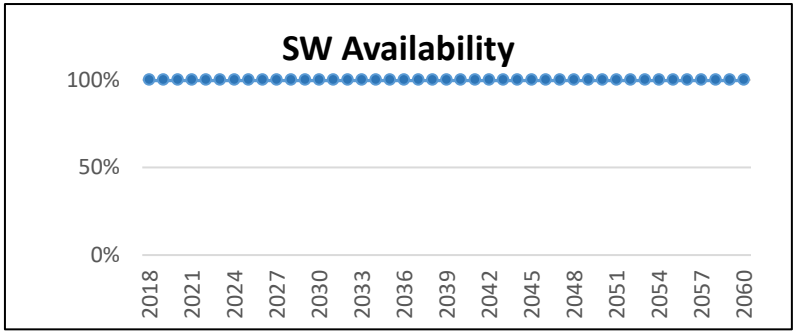
Run Date: 6/30/2020 **Filename:** CAPServiceArea_v3.50_LSCRBS_A(

Growth rate based on Medium growth series from the AZ Dept. of Administration and growth pattern from PAG, standard CAP-SAM

Allow Shortages	Yes	
Select CRSS Array	3	*3=Synthetic*
Use Specific Trace	Yes	
Selected Trace	1	*1=Moderate; 2=Deep; 3=Slight*
AWBA Max M&I	20%	
Surface Water Scenario	1	*1=No Reduction; 2=Occational; 3=Frequent*
Use CAP Buildup	Yes	
CAP Buildup Scenario	2	*1=2035; 2=2045*
HU Growth Pattern	1	*1=Baseline*
HU Forecast	2	*1=Use Curve; 2=Eller Forecast*
HU Curve	2	
HU Growth Start Rate	0%	
HU Ordinary Level	45,000	
HU Rate @ 50 yrs	-2%	
GPHUD Change Existing	-0.8%	*per year*
GPHUD Max Change Existing	-15%	
GPHUD Min Existing	150	
GPHUD Scenario New	1	
GPHUD Change New	-0.2%	*per year*
Ag Climate Adjustment	0	
Ag Efficiency Increase	0.1%	*per year*
Ag Efficiency Goal	80%	
Ag Replace Crop CU	2.66	
Ag Intensity Scenario	2	
Ag Develop on Crops	50%	*Perecent of max on active Ag*
Ag Acres Replace Percent	0%	
Ag Replace Crop Year	2025	



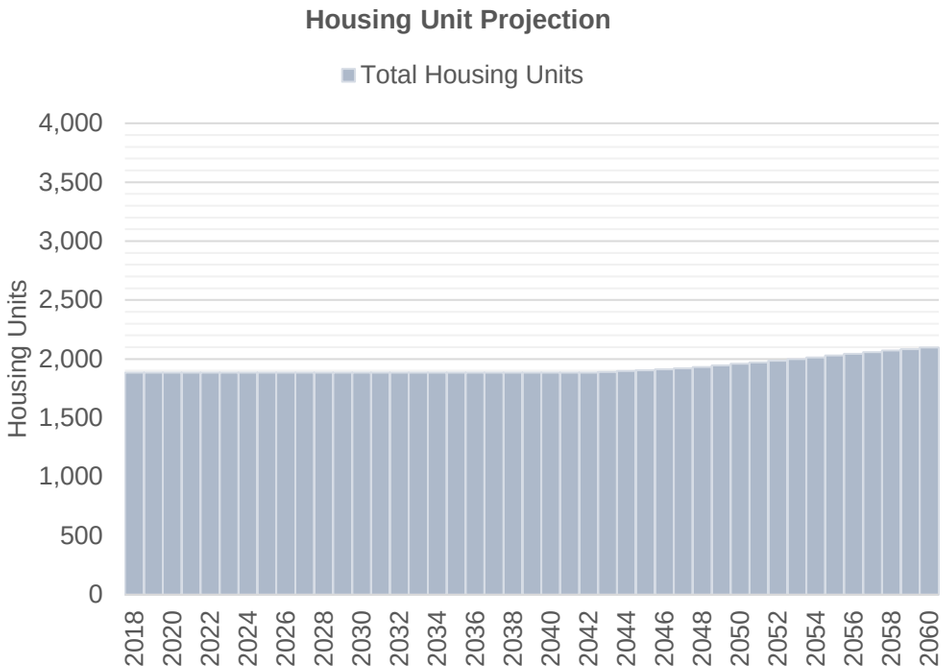


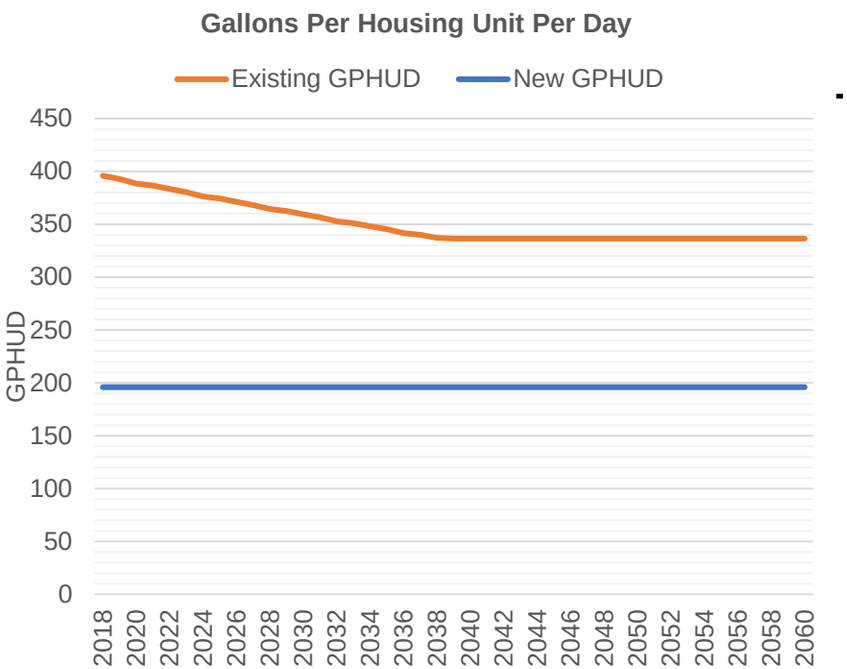


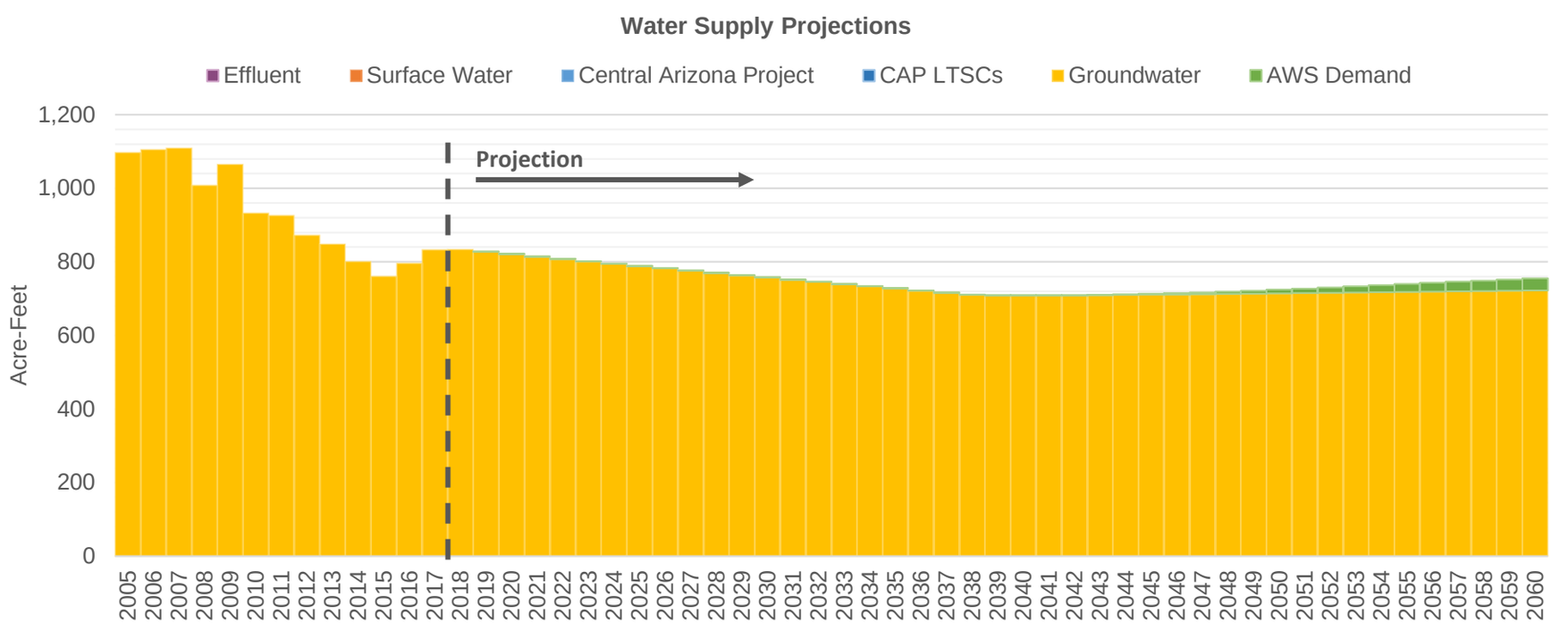
Central Arizona Project Service Area Model

AvraWaterCoop

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

AvraWaterCoop

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

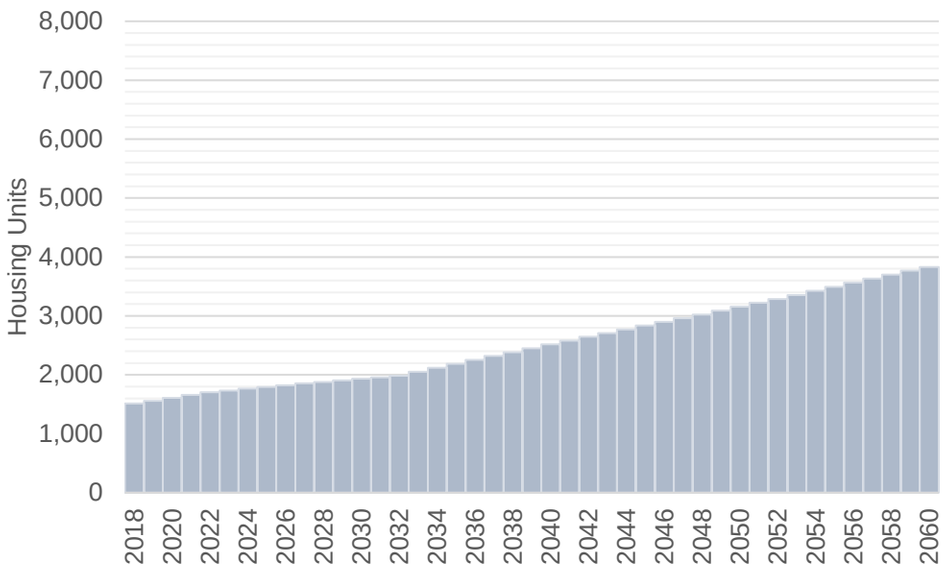
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,883	396	196	0	0	0	0	0	0	0	834	0
2019	1,883	393	196	0	0	0	0	0	0	0	827	0
2020	1,883	389	196	0	0	0	0	0	0	0	821	0
2021	1,883	386	196	0	0	0	0	0	0	0	814	0
2022	1,883	383	196	0	0	0	0	0	0	0	808	0
2023	1,883	380	196	0	0	0	0	0	0	0	801	0
2024	1,883	376	196	0	0	0	0	0	0	0	795	0
2025	1,883	374	196	0	0	0	0	0	0	0	789	0
2026	1,883	371	196	0	0	0	0	0	0	0	782	0
2027	1,883	368	196	0	0	0	0	0	0	0	776	0
2028	1,883	364	196	0	0	0	0	0	0	0	770	0
2029	1,883	362	196	0	0	0	0	0	0	0	764	0
2030	1,883	360	196	0	0	0	0	0	0	0	757	0
2031	1,883	357	196	0	0	0	0	0	0	0	751	0
2032	1,883	353	196	0	0	0	0	0	0	0	745	0
2033	1,883	351	196	0	0	0	0	0	0	0	739	0
2034	1,883	348	196	0	0	0	0	0	0	0	734	0
2035	1,883	345	196	0	0	0	0	0	0	0	728	0
2036	1,883	342	196	0	0	0	0	0	0	0	722	0
2037	1,883	340	196	0	0	0	0	0	0	0	716	0
2038	1,883	337	196	0	0	0	0	0	0	0	710	0
2039	1,883	337	196	0	0	0	0	0	0	0	709	0
2040	1,883	337	196	0	0	0	0	0	0	0	709	0
2041	1,883	337	196	0	0	0	0	0	0	0	709	0
2042	1,883	337	196	0	0	0	0	0	0	0	709	0
2043	1,889	337	196	0	0	0	0	0	0	0	710	0
2044	1,897	337	196	0	0	0	0	0	0	0	710	1
2045	1,905	337	196	0	0	0	0	0	0	0	711	3
2046	1,913	337	196	0	0	0	0	0	0	0	711	4
2047	1,921	337	196	0	0	0	0	0	0	0	712	5
2048	1,932	337	196	0	0	0	0	0	0	0	712	6
2049	1,945	337	196	0	0	0	0	0	0	0	713	8
2050	1,959	337	196	0	0	0	0	0	0	0	714	10
2051	1,972	337	196	0	0	0	0	0	0	0	715	13
2052	1,986	337	196	0	0	0	0	0	0	0	716	15
2053	2,000	337	196	0	0	0	0	0	0	0	717	17
2054	2,014	337	196	0	0	0	0	0	0	0	717	19
2055	2,029	337	196	0	0	0	0	0	0	0	718	22
2056	2,043	337	196	0	0	0	0	0	0	0	719	24
2057	2,057	337	196	0	0	0	0	0	0	0	720	26
2058	2,071	337	196	0	0	0	0	0	0	0	721	28
2059	2,084	337	196	0	0	0	0	0	0	0	721	31
2060	2,098	337	196	0	0	0	0	0	0	0	722	33

Central Arizona Project Service Area Model

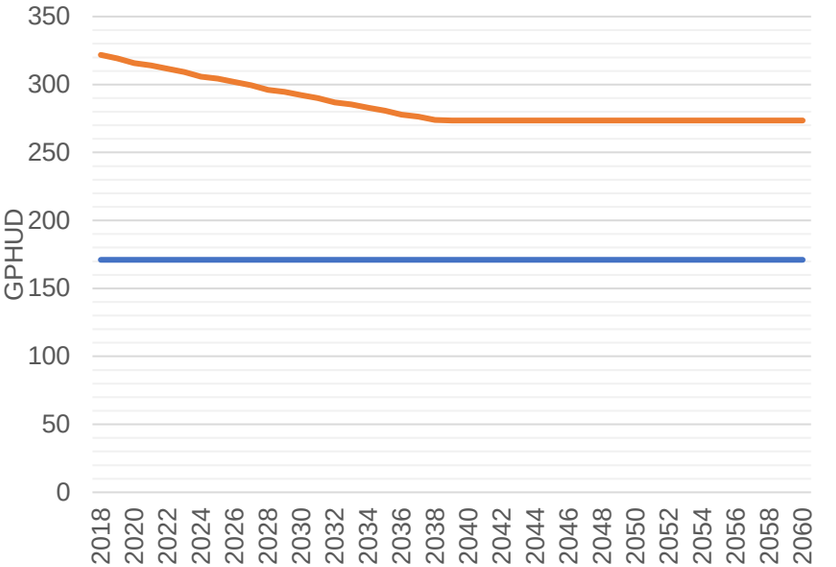
AZWCOracle

A. Official, Historic Climate [LSCRBS]

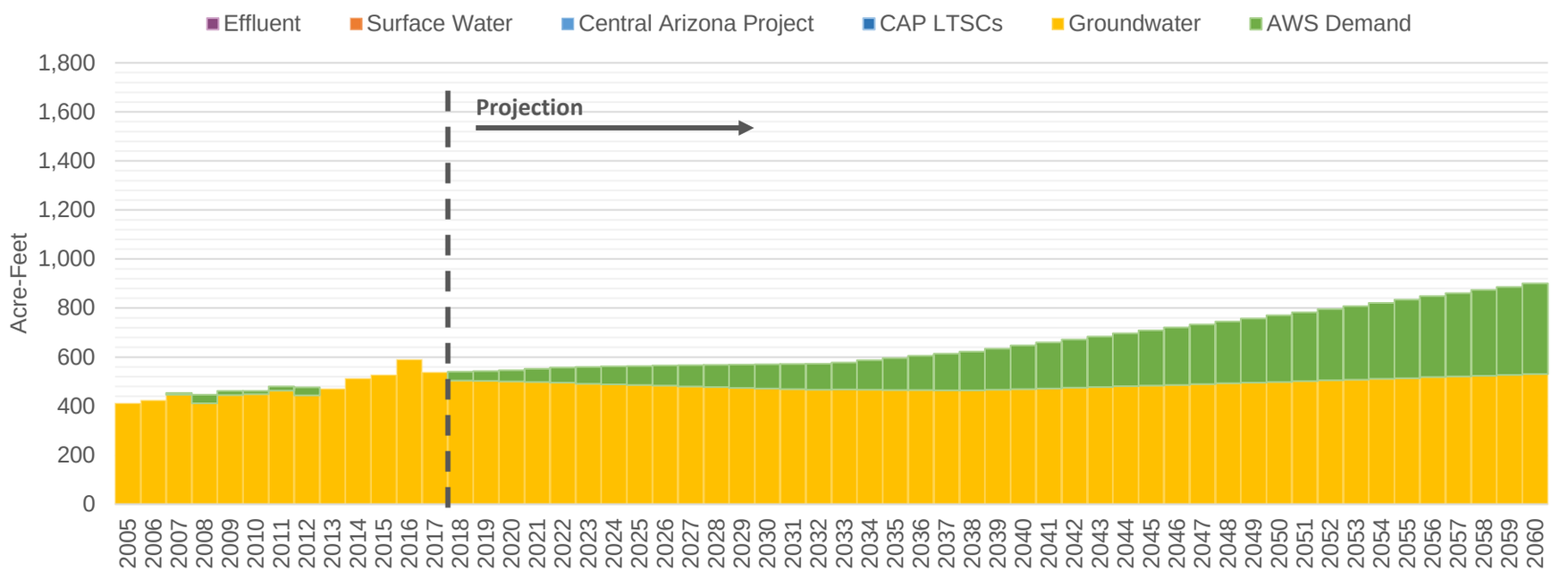
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

AZWCOracle

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

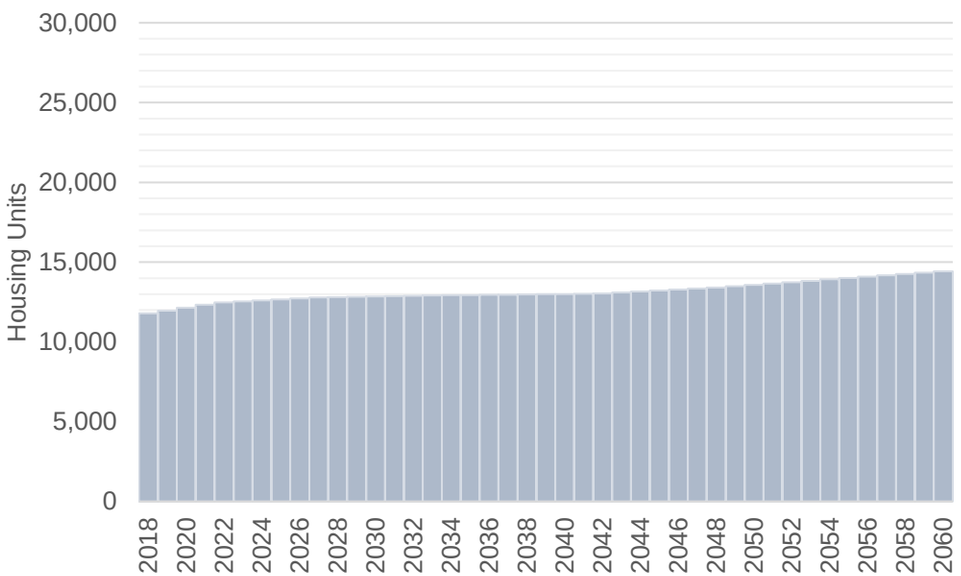
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,516	322	171	0	0	0	0	0	0	0	505	36
2019	1,560	319	171	0	0	0	0	0	0	0	503	39
2020	1,608	316	171	0	0	0	0	0	0	0	501	46
2021	1,658	314	171	0	0	0	0	0	0	0	498	54
2022	1,703	312	171	0	0	0	0	0	0	0	495	62
2023	1,733	309	171	0	0	0	0	0	0	0	491	69
2024	1,764	306	171	0	0	0	0	0	0	0	489	73
2025	1,794	304	171	0	0	0	0	0	0	0	486	78
2026	1,825	302	171	0	0	0	0	0	0	0	483	82
2027	1,855	299	171	0	0	0	0	0	0	0	480	87
2028	1,881	296	171	0	0	0	0	0	0	0	478	91
2029	1,908	295	171	0	0	0	0	0	0	0	475	95
2030	1,934	292	171	0	0	0	0	0	0	0	472	99
2031	1,960	290	171	0	0	0	0	0	0	0	469	103
2032	1,988	287	171	0	0	0	0	0	0	0	467	106
2033	2,055	285	171	0	0	0	0	0	0	0	468	110
2034	2,121	283	171	0	0	0	0	0	0	0	467	120
2035	2,187	281	171	0	0	0	0	0	0	0	466	130
2036	2,253	278	171	0	0	0	0	0	0	0	466	139
2037	2,319	276	171	0	0	0	0	0	0	0	465	149
2038	2,385	274	171	0	0	0	0	0	0	0	464	159
2039	2,451	274	171	0	0	0	0	0	0	0	466	168
2040	2,516	274	171	0	0	0	0	0	0	0	470	178
2041	2,580	274	171	0	0	0	0	0	0	0	472	187
2042	2,645	274	171	0	0	0	0	0	0	0	475	197
2043	2,709	274	171	0	0	0	0	0	0	0	478	206
2044	2,772	274	171	0	0	0	0	0	0	0	482	215
2045	2,835	274	171	0	0	0	0	0	0	0	484	225
2046	2,898	274	171	0	0	0	0	0	0	0	487	234
2047	2,960	274	171	0	0	0	0	0	0	0	489	243
2048	3,025	274	171	0	0	0	0	0	0	0	493	252
2049	3,092	274	171	0	0	0	0	0	0	0	496	262
2050	3,158	274	171	0	0	0	0	0	0	0	499	271
2051	3,223	274	171	0	0	0	0	0	0	0	502	281
2052	3,287	274	171	0	0	0	0	0	0	0	505	290
2053	3,355	274	171	0	0	0	0	0	0	0	508	300
2054	3,426	274	171	0	0	0	0	0	0	0	511	310
2055	3,496	274	171	0	0	0	0	0	0	0	514	320
2056	3,565	274	171	0	0	0	0	0	0	0	519	330
2057	3,633	274	171	0	0	0	0	0	0	0	521	340
2058	3,700	274	171	0	0	0	0	0	0	0	524	350
2059	3,766	274	171	0	0	0	0	0	0	0	527	360
2060	3,831	274	171	0	0	0	0	0	0	0	531	370

Central Arizona Project Service Area Model

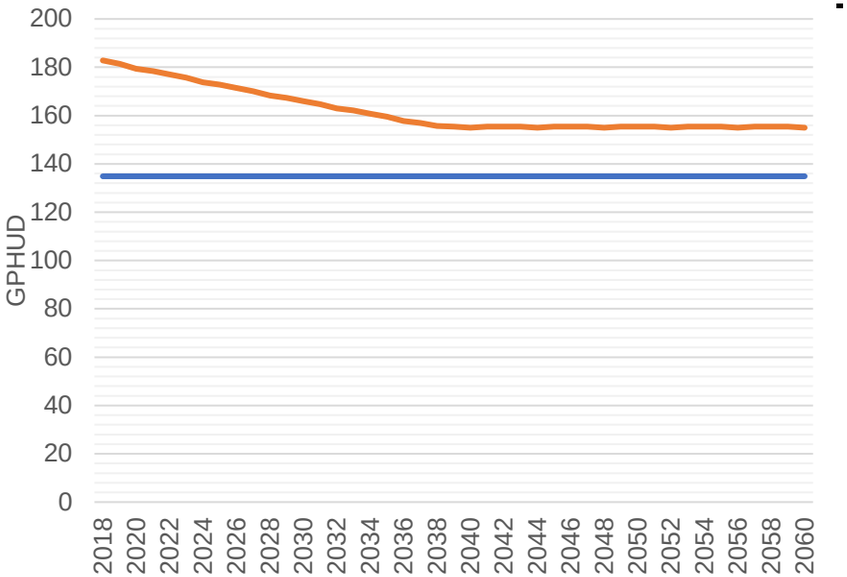
CommWaterGreenVly

A. Official, Historic Climate [LSCRBS]

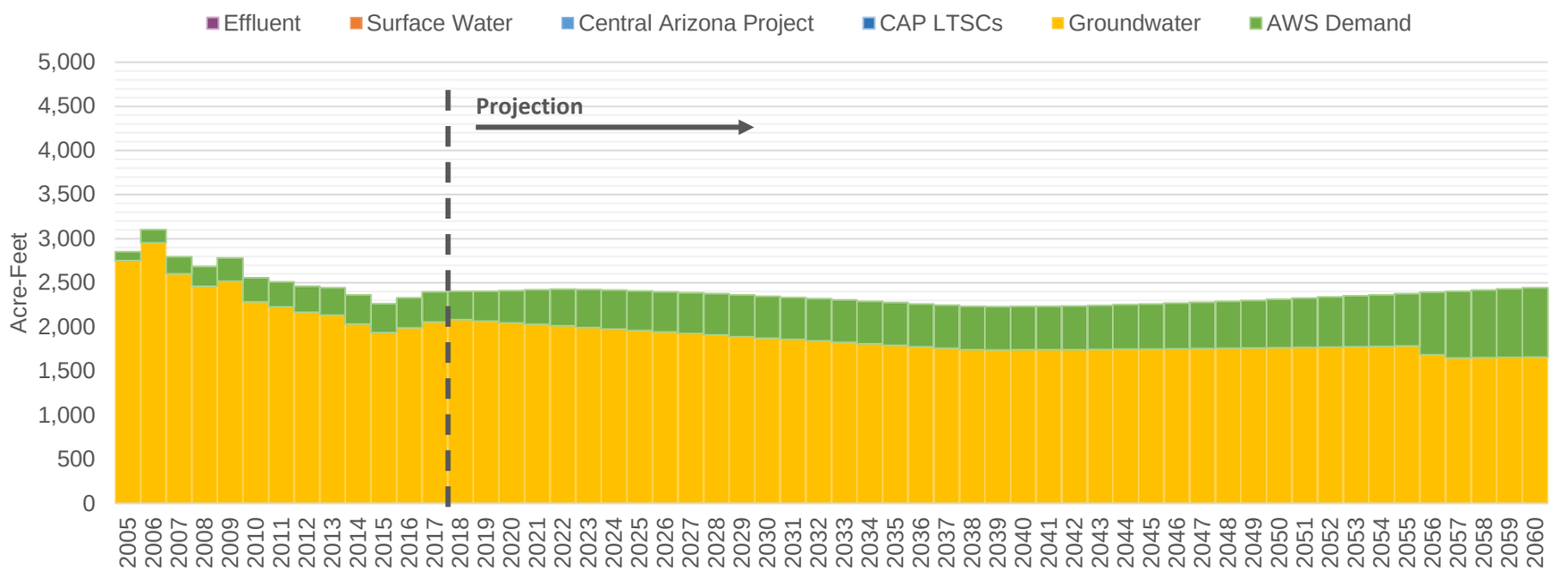
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

CommWaterGre

A. Official, Historic Climate [LSCRBS]

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Demand Assumptions

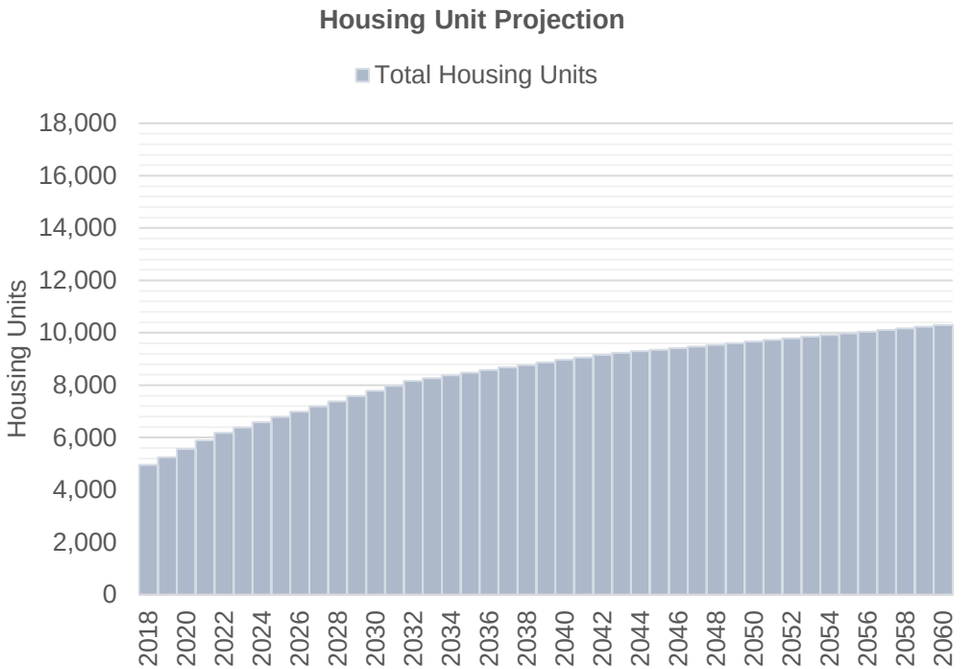
Water Supply Projections (Acre-Feet)

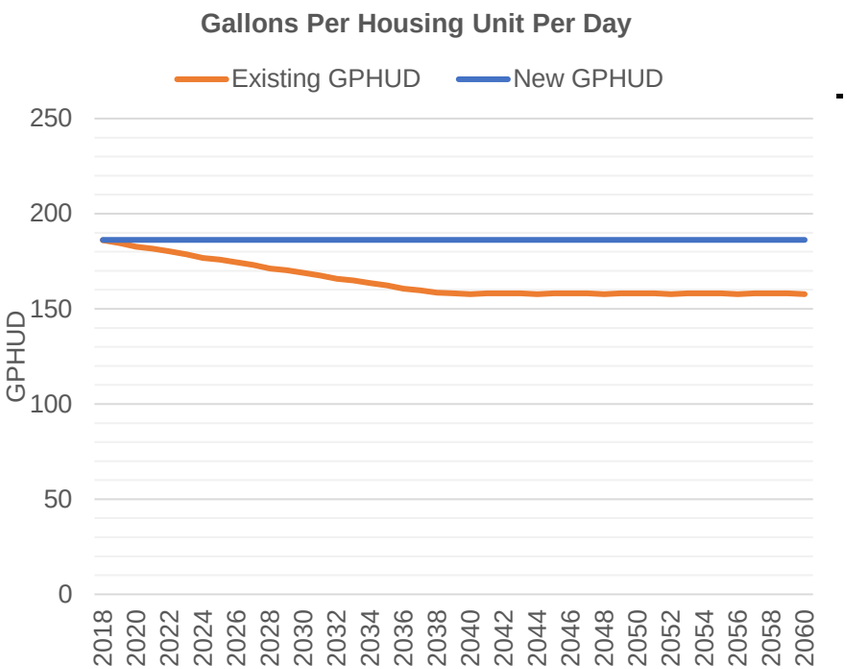
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	11,794	183	135	0	0	0	0	0	0	0	2,082	322
2019	11,963	181	135	0	0	0	0	0	0	0	2,066	338
2020	12,143	179	135	0	0	0	0	0	0	0	2,045	366
2021	12,332	178	135	0	0	0	0	0	0	0	2,029	391
2022	12,485	177	135	0	0	0	0	0	0	0	2,013	415
2023	12,546	176	135	0	0	0	0	0	0	0	1,991	434
2024	12,608	174	135	0	0	0	0	0	0	0	1,975	441
2025	12,669	173	135	0	0	0	0	0	0	0	1,958	449
2026	12,731	171	135	0	0	0	0	0	0	0	1,942	456
2027	12,787	170	135	0	0	0	0	0	0	0	1,926	463
2028	12,810	168	135	0	0	0	0	0	0	0	1,908	470
2029	12,833	167	135	0	0	0	0	0	0	0	1,891	472
2030	12,856	166	135	0	0	0	0	0	0	0	1,874	475
2031	12,879	165	135	0	0	0	0	0	0	0	1,857	478
2032	12.902	163	135	0	0	0	0	0	0	0	1.841	480
2033	12,914	162	135	0	0	0	0	0	0	0	1,824	483
2034	12,926	161	135	0	0	0	0	0	0	0	1,807	484
2035	12,937	159	135	0	0	0	0	0	0	0	1,791	485
2036	12,949	158	135	0	0	0	0	0	0	0	1,775	487
2037	12,961	157	135	0	0	0	0	0	0	0	1,759	488
2038	12,976	156	135	0	0	0	0	0	0	0	1,743	489
2039	12,990	155	135	0	0	0	0	0	0	0	1,739	491
2040	13,005	155	135	0	0	0	0	0	0	0	1,741	493
2041	13,020	155	135	0	0	0	0	0	0	0	1,741	494
2042	13,034	155	135	0	0	0	0	0	0	0	1,741	496
2043	13,094	155	135	0	0	0	0	0	0	0	1,745	498
2044	13,156	155	135	0	0	0	0	0	0	0	1,748	505
2045	13,217	155	135	0	0	0	0	0	0	0	1,750	512
2046	13,278	155	135	0	0	0	0	0	0	0	1,752	518
2047	13,338	155	135	0	0	0	0	0	0	0	1,755	525
2048	13,412	155	135	0	0	0	0	0	0	0	1,759	532
2049	13,497	155	135	0	0	0	0	0	0	0	1,762	540
2050	13,581	155	135	0	0	0	0	0	0	0	1,766	549
2051	13,665	155	135	0	0	0	0	0	0	0	1,769	558
2052	13,747	155	135	0	0	0	0	0	0	0	1,773	567
2053	13,833	155	135	0	0	0	0	0	0	0	1,776	576
2054	13,921	155	135	0	0	0	0	0	0	0	1,780	585
2055	14,009	155	135	0	0	0	0	0	0	0	1,784	595
2056	14,095	155	135	0	0	0	0	0	0	0	1,685	708
2057	14,180	155	135	0	0	0	0	0	0	0	1,648	757
2058	14,264	155	135	0	0	0	0	0	0	0	1,652	766
2059	14,346	155	135	0	0	0	0	0	0	0	1,655	775
2060	14,427	155	135	0	0	0	0	0	0	0	1,660	784

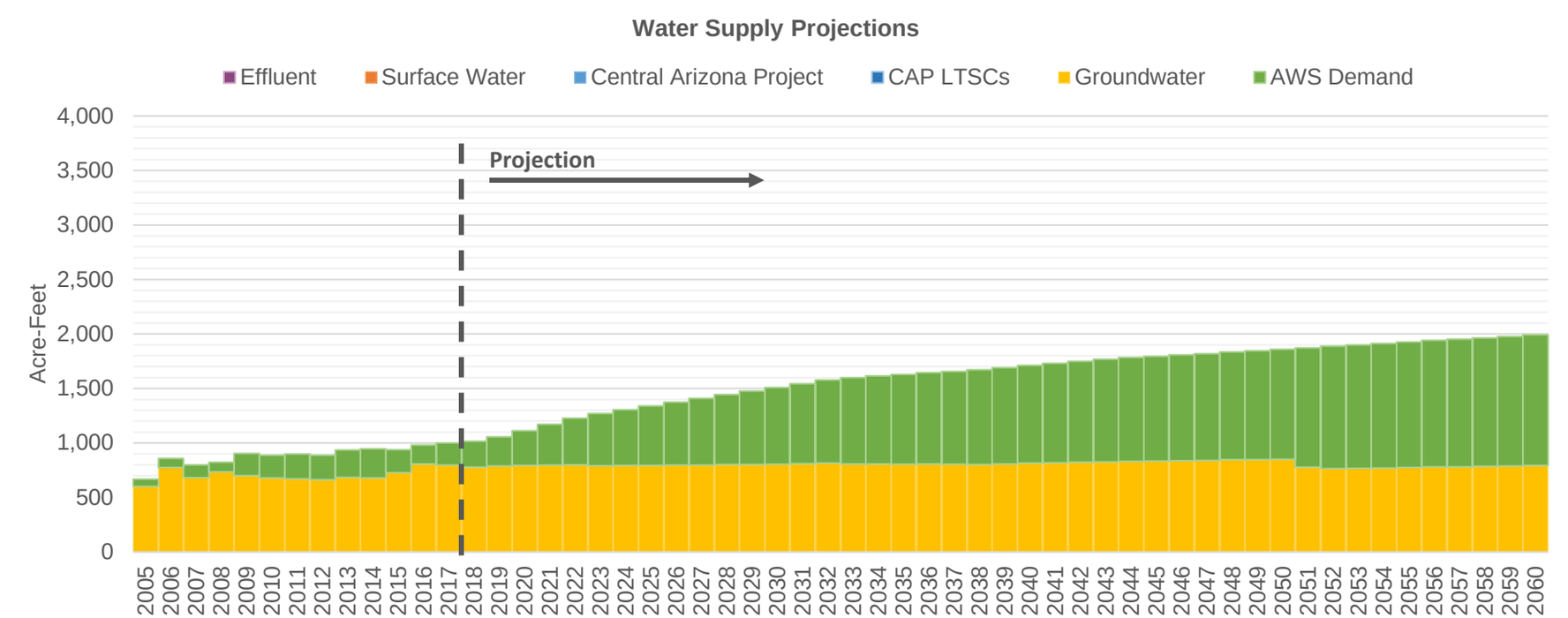
Central Arizona Project Service Area Model

FarmersWC

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

FarmersWC

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions

Water Supply Projections (Acre-Feet)

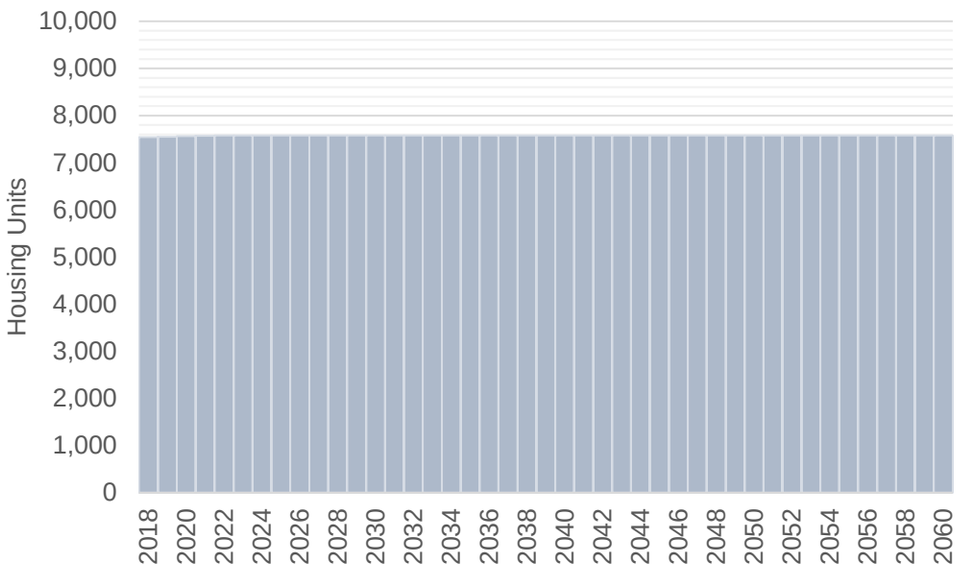
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,959	186	186	0	0	0	0	0	0	0	779	238
2019	5,250	185	186	0	0	0	0	0	0	0	790	266
2020	5,564	183	186	0	0	0	0	0	0	0	794	318
2021	5,894	182	186	0	0	0	0	0	0	0	797	373
2022	6,189	180	186	0	0	0	0	0	0	0	798	429
2023	6,388	179	186	0	0	0	0	0	0	0	792	479
2024	6,589	177	186	0	0	0	0	0	0	0	794	512
2025	6,790	176	186	0	0	0	0	0	0	0	794	546
2026	6,991	174	186	0	0	0	0	0	0	0	796	578
2027	7,192	173	186	0	0	0	0	0	0	0	798	611
2028	7,387	171	186	0	0	0	0	0	0	0	801	643
2029	7,583	170	186	0	0	0	0	0	0	0	802	673
2030	7,780	169	186	0	0	0	0	0	0	0	806	704
2031	7,976	168	186	0	0	0	0	0	0	0	810	733
2032	8.169	166	186	0	0	0	0	0	0	0	816	763
2033	8,271	165	186	0	0	0	0	0	0	0	808	792
2034	8,373	164	186	0	0	0	0	0	0	0	807	807
2035	8,474	162	186	0	0	0	0	0	0	0	806	822
2036	8,576	161	186	0	0	0	0	0	0	0	807	838
2037	8,677	160	186	0	0	0	0	0	0	0	804	853
2038	8,774	158	186	0	0	0	0	0	0	0	803	868
2039	8,872	158	186	0	0	0	0	0	0	0	807	883
2040	8,969	158	186	0	0	0	0	0	0	0	815	897
2041	9,065	158	186	0	0	0	0	0	0	0	818	912
2042	9,161	158	186	0	0	0	0	0	0	0	823	926
2043	9,232	158	186	0	0	0	0	0	0	0	826	941
2044	9,294	158	186	0	0	0	0	0	0	0	832	952
2045	9,356	158	186	0	0	0	0	0	0	0	833	961
2046	9,418	158	186	0	0	0	0	0	0	0	837	970
2047	9,479	158	186	0	0	0	0	0	0	0	840	980
2048	9,541	158	186	0	0	0	0	0	0	0	847	989
2049	9,605	158	186	0	0	0	0	0	0	0	848	998
2050	9,668	158	186	0	0	0	0	0	0	0	852	1,008
2051	9,731	158	186	0	0	0	0	0	0	0	779	1,093
2052	9,792	158	186	0	0	0	0	0	0	0	766	1,122
2053	9,856	158	186	0	0	0	0	0	0	0	767	1,132
2054	9,921	158	186	0	0	0	0	0	0	0	771	1,141
2055	9,985	158	186	0	0	0	0	0	0	0	774	1,151
2056	10,049	158	186	0	0	0	0	0	0	0	781	1,161
2057	10,111	158	186	0	0	0	0	0	0	0	781	1,170
2058	10,173	158	186	0	0	0	0	0	0	0	785	1,180
2059	10,233	158	186	0	0	0	0	0	0	0	789	1,189
2060	10,293	158	186	0	0	0	0	0	0	0	795	1,198

Central Arizona Project Service Area Model

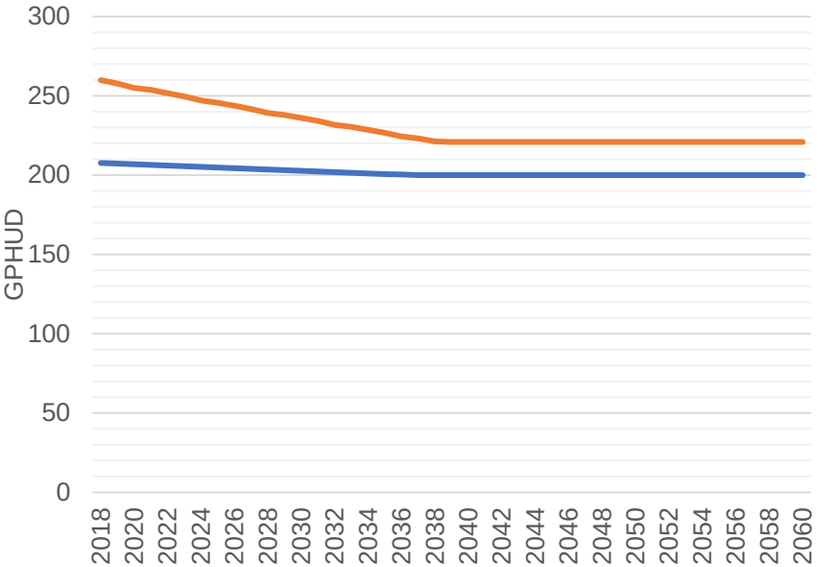
FWID

A. Official, Historic Climate [LSCRBS]

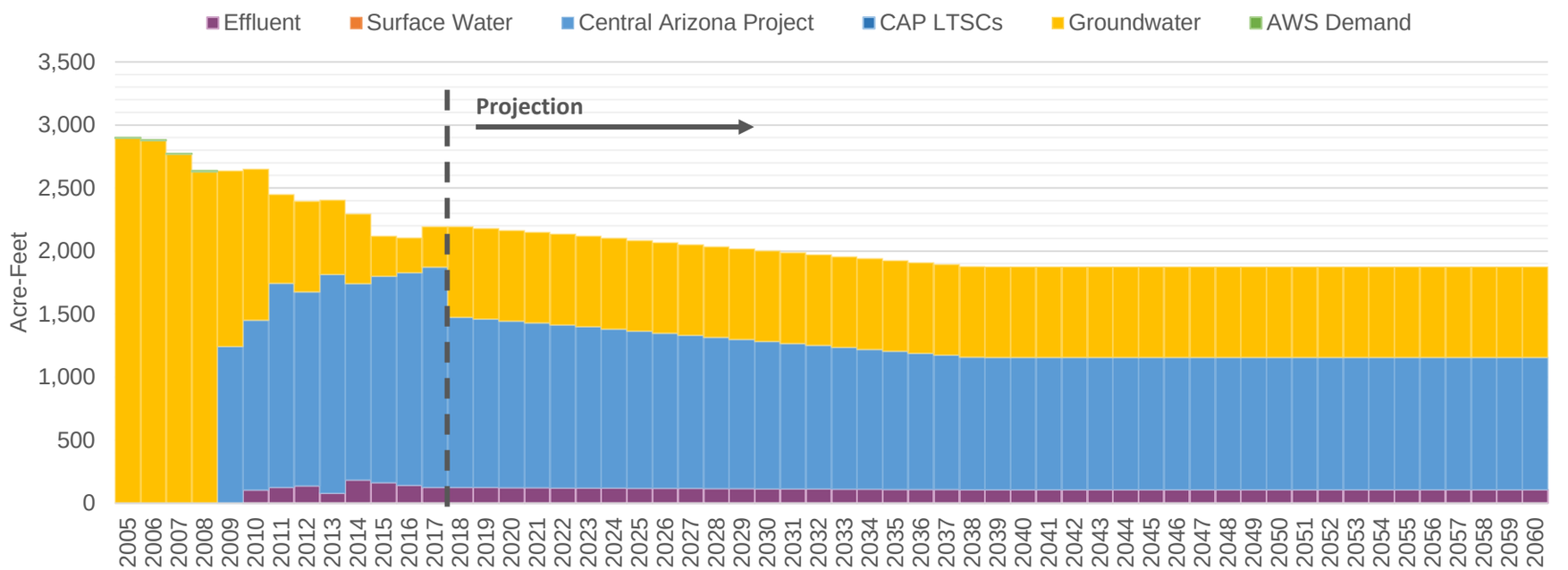
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

FWID

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions

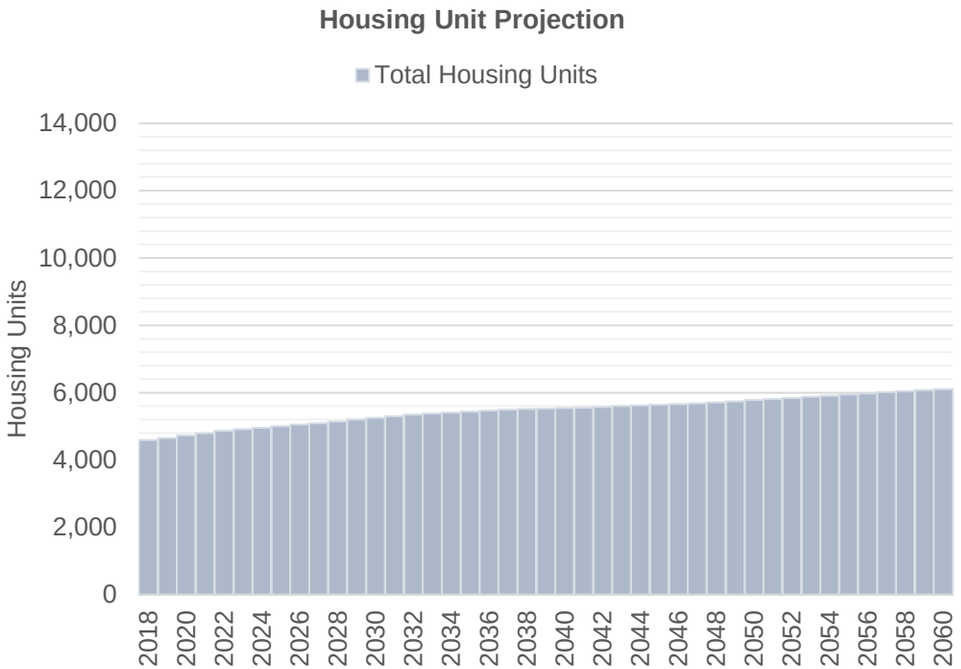
Water Supply Projections (Acre-Feet)

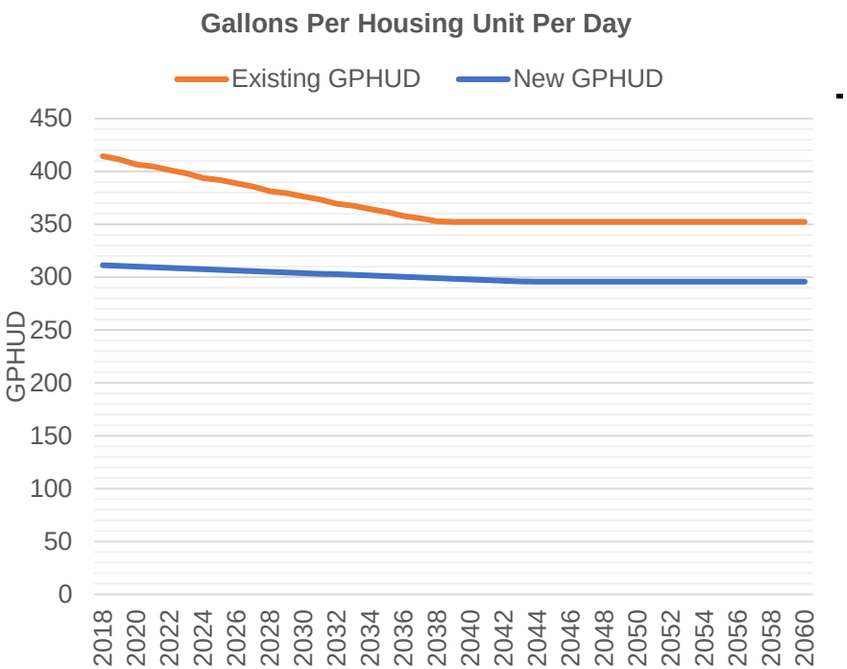
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	7,542	260	208	125	0	0	0	1,350	1,523	0	719	0
2019	7,552	258	207	125	0	0	0	1,335	1,538	0	719	0
2020	7,563	255	207	124	0	0	0	1,321	1,552	0	719	0
2021	7,574	254	206	123	0	0	0	1,307	1,566	0	719	0
2022	7,581	252	206	122	0	0	0	1,293	1,580	0	719	0
2023	7,581	250	206	122	0	0	0	1,277	1,596	0	719	0
2024	7,581	247	205	121	0	0	0	1,261	1,612	0	719	0
2025	7,581	246	205	120	0	0	0	1,245	1,628	0	719	0
2026	7,581	244	204	119	0	0	0	1,230	1,643	0	719	0
2027	7,581	242	204	118	0	0	0	1,214	1,659	0	719	0
2028	7,581	239	204	117	0	0	0	1,199	1,674	0	719	0
2029	7,581	238	203	116	0	0	0	1,183	1,690	0	719	0
2030	7,581	236	203	115	0	0	0	1,168	1,705	0	719	0
2031	7,581	234	202	114	0	0	0	1,153	1,720	0	719	0
2032	7,581	232	202	113	0	0	0	1,138	1,735	0	719	0
2033	7,581	230	202	112	0	0	0	1,124	1,749	0	719	0
2034	7,581	229	201	111	0	0	0	1,109	1,764	0	719	0
2035	7,581	227	201	110	0	0	0	1,095	1,778	0	719	0
2036	7,581	224	200	110	0	0	0	1,080	1,793	0	719	0
2037	7,581	223	200	109	0	0	0	1,065	1,808	0	719	0
2038	7,581	221	200	108	0	0	0	1,051	1,822	0	719	0
2039	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2040	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2041	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2042	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2043	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2044	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2045	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2046	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2047	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2048	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2049	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2050	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2051	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2052	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2053	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2054	7,581	221	200	107	0	0	0	1,049	1,731	0	719	0
2055	7,581	221	200	107	0	0	0	1,049	1,532	0	719	0
2056	7,581	221	200	107	0	0	0	1,049	1,731	0	719	0
2057	7,581	221	200	107	0	0	0	1,049	1,731	0	719	0
2058	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2059	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0
2060	7,581	221	200	107	0	0	0	1,049	1,824	0	719	0

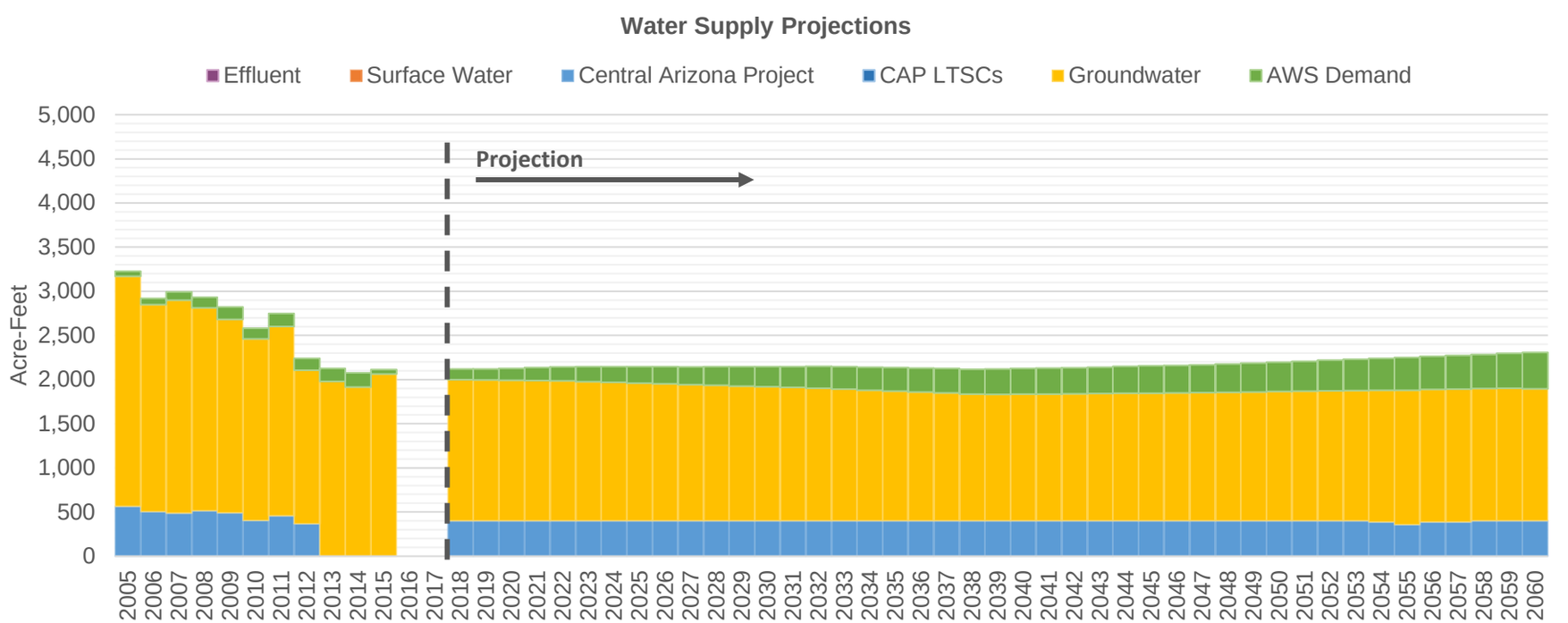
Central Arizona Project Service Area Model

GVDWID

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

GVDWID

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

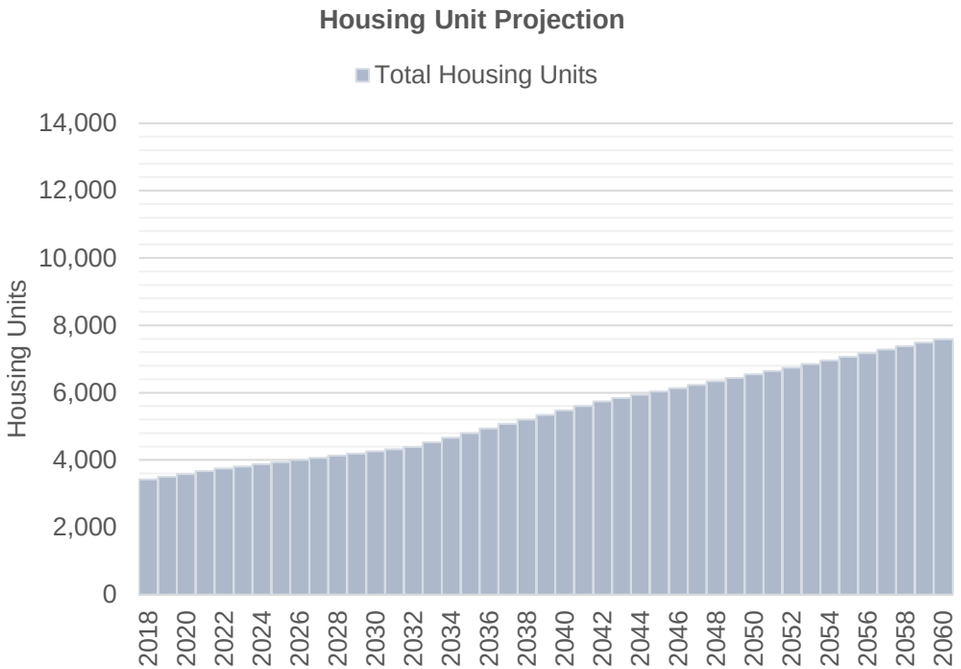
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

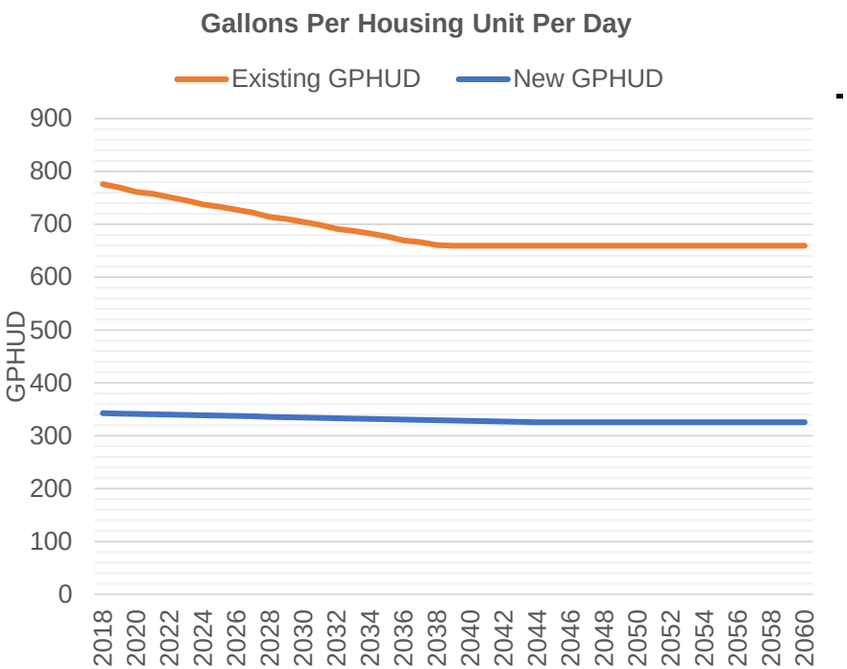
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,590	414	311	0	0	0	399	0	0	0	1,602	119
2019	4,656	411	311	0	0	0	399	0	0	0	1,597	125
2020	4,726	407	310	0	0	0	399	0	0	0	1,594	135
2021	4,800	405	309	0	0	0	399	0	0	0	1,591	146
2022	4,867	401	309	0	0	0	399	0	0	0	1,587	158
2023	4,913	398	308	0	0	0	399	0	0	0	1,579	169
2024	4,959	394	308	0	0	0	399	0	0	0	1,571	177
2025	5,005	392	307	0	0	0	399	0	0	0	1,562	185
2026	5,051	389	306	0	0	0	399	0	0	0	1,553	193
2027	5,098	386	306	0	0	0	399	0	0	0	1,545	201
2028	5,147	381	305	0	0	0	399	0	0	0	1,537	210
2029	5,197	379	304	0	0	0	399	0	0	0	1,528	219
2030	5,246	376	304	0	0	0	399	0	0	0	1,520	228
2031	5,296	373	303	0	0	0	399	0	0	0	1,512	237
2032	5.345	369	303	0	0	0	399	0	0	0	1.504	247
2033	5,375	367	302	0	0	0	399	0	0	0	1,492	256
2034	5,405	364	301	0	0	0	399	0	0	0	1,481	261
2035	5,435	362	301	0	0	0	399	0	0	0	1,470	267
2036	5,464	358	300	0	0	0	399	0	0	0	1,460	273
2037	5,494	356	300	0	0	0	399	0	0	0	1,449	278
2038	5,511	353	299	0	0	0	399	0	0	0	1,436	283
2039	5,527	352	298	0	0	0	399	0	0	0	1,434	286
2040	5,543	352	298	0	0	0	399	0	0	0	1,437	290
2041	5,559	352	297	0	0	0	399	0	0	0	1,437	293
2042	5,575	352	297	0	0	0	399	0	0	0	1,439	296
2043	5,604	352	296	0	0	0	399	0	0	0	1,442	299
2044	5,625	352	296	0	0	0	399	0	0	0	1,445	305
2045	5,645	352	296	0	0	0	399	0	0	0	1,447	309
2046	5,665	352	296	0	0	0	399	0	0	0	1,450	313
2047	5,685	352	296	0	0	0	399	0	0	0	1,453	317
2048	5,712	352	296	0	0	0	399	0	0	0	1,457	321
2049	5,745	352	296	0	0	0	399	0	0	0	1,461	326
2050	5,777	352	296	0	0	0	399	0	0	0	1,465	333
2051	5,810	352	296	0	0	0	399	0	0	0	1,470	339
2052	5,841	352	296	0	0	0	399	0	0	0	1,475	346
2053	5,875	352	296	0	0	0	399	0	0	0	1,478	352
2054	5,910	352	296	0	0	0	386	0	0	0	1,493	361
2055	5,944	352	296	0	0	0	358	0	0	0	1,520	374
2056	5,978	352	296	0	0	0	386	0	0	0	1,503	375
2057	6,012	352	296	0	0	0	386	0	0	0	1,506	382
2058	6,045	352	296	0	0	0	399	0	0	0	1,500	386
2059	6,077	352	296	0	0	0	399	0	0	0	1,504	393
2060	6,109	352	296	0	0	0	399	0	0	0	1,498	411

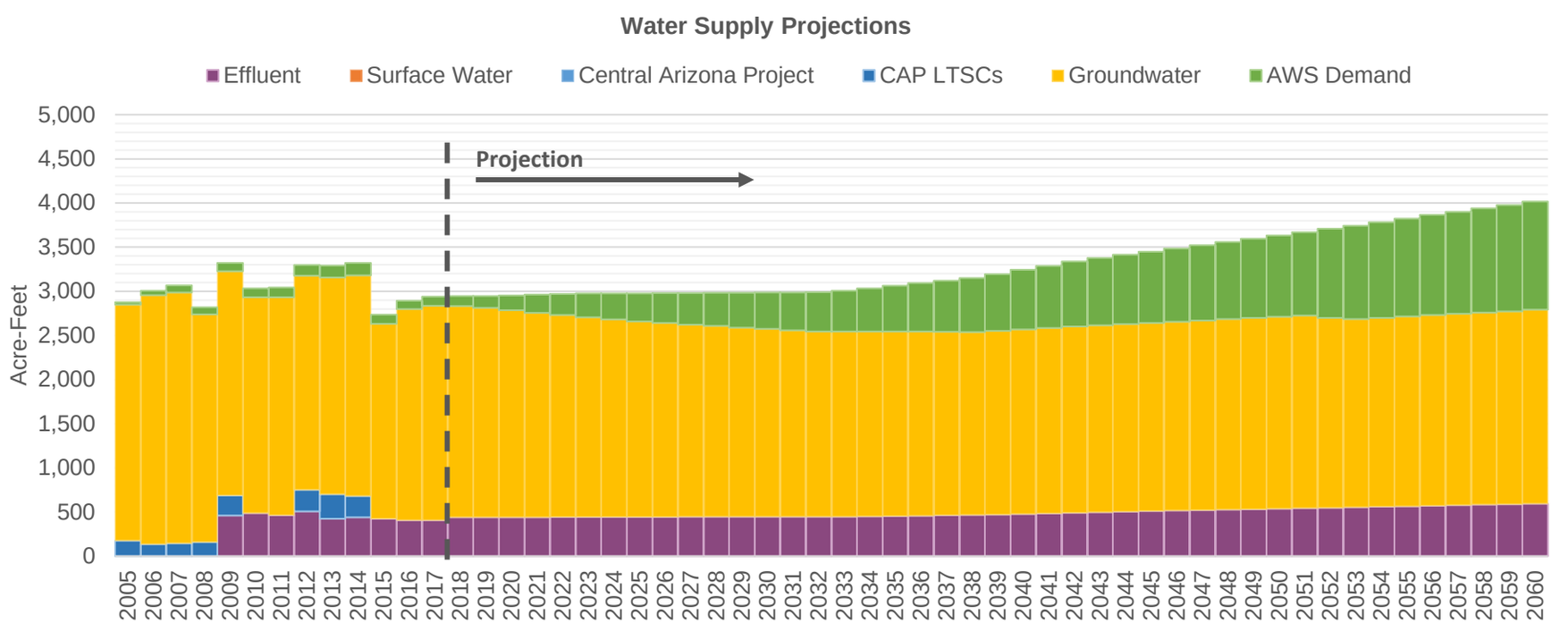
Central Arizona Project Service Area Model

LagoDelOro

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

LagoDelOro

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

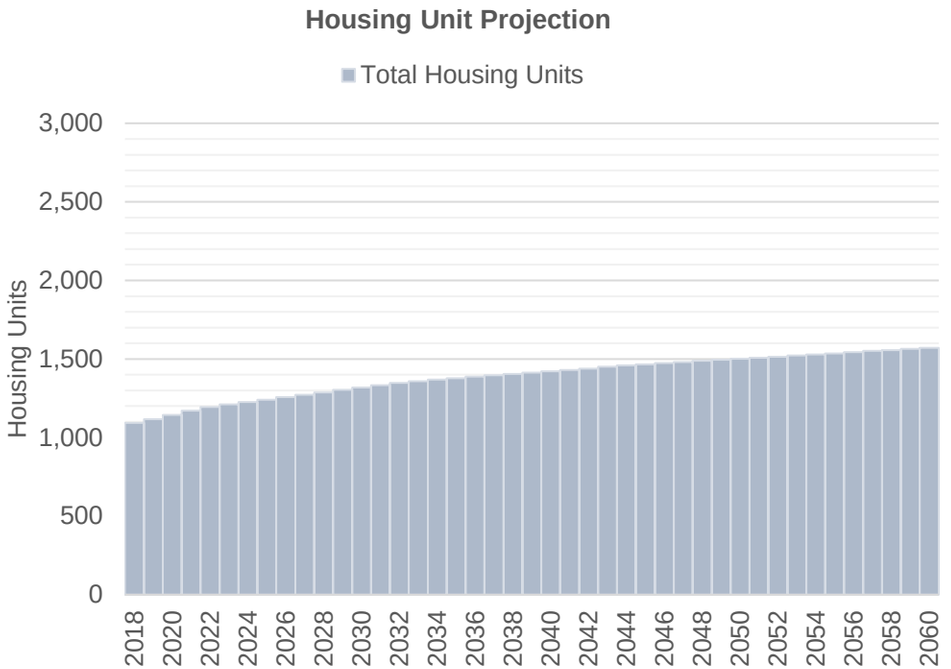
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

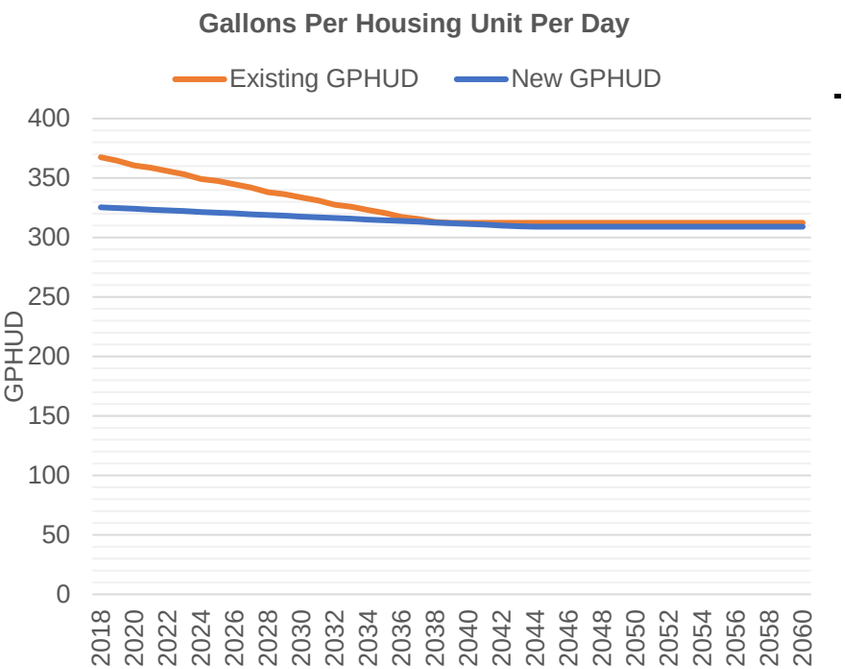
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,423	776	343	441	0	0	0	0	0	0	2,391	116
2019	3,499	770	342	441	0	0	0	0	0	0	2,371	135
2020	3,581	761	341	441	0	0	0	0	0	0	2,343	169
2021	3,668	757	341	442	0	0	0	0	0	0	2,314	206
2022	3,748	751	340	443	0	0	0	0	0	0	2,288	240
2023	3,811	745	339	444	0	0	0	0	0	0	2,260	271
2024	3,875	737	339	445	0	0	0	0	0	0	2,238	294
2025	3,939	733	338	445	0	0	0	0	0	0	2,215	318
2026	4,002	728	337	445	0	0	0	0	0	0	2,196	338
2027	4,066	722	337	446	0	0	0	0	0	0	2,177	357
2028	4,130	714	336	446	0	0	0	0	0	0	2,161	376
2029	4,193	710	335	446	0	0	0	0	0	0	2,143	394
2030	4,257	705	335	446	0	0	0	0	0	0	2,128	412
2031	4,320	699	334	447	0	0	0	0	0	0	2,111	429
2032	4.387	691	333	447	0	0	0	0	0	0	2.099	445
2033	4,524	688	333	447	0	0	0	0	0	0	2,099	460
2034	4,660	682	332	450	0	0	0	0	0	0	2,095	490
2035	4,797	677	331	454	0	0	0	0	0	0	2,090	520
2036	4,933	670	331	458	0	0	0	0	0	0	2,085	551
2037	5,069	666	330	463	0	0	0	0	0	0	2,077	582
2038	5,204	661	329	467	0	0	0	0	0	0	2,071	613
2039	5,338	659	329	471	0	0	0	0	0	0	2,079	644
2040	5,472	659	328	478	0	0	0	0	0	0	2,092	674
2041	5,605	659	327	485	0	0	0	0	0	0	2,100	704
2042	5,738	659	327	492	0	0	0	0	0	0	2,110	734
2043	5,842	659	326	499	0	0	0	0	0	0	2,115	764
2044	5,941	659	326	505	0	0	0	0	0	0	2,124	787
2045	6,040	659	326	511	0	0	0	0	0	0	2,130	809
2046	6,137	659	326	516	0	0	0	0	0	0	2,138	831
2047	6,234	659	326	521	0	0	0	0	0	0	2,147	853
2048	6,335	659	326	527	0	0	0	0	0	0	2,158	875
2049	6,439	659	326	533	0	0	0	0	0	0	2,165	897
2050	6,542	659	326	538	0	0	0	0	0	0	2,174	921
2051	6,643	659	326	543	0	0	0	0	0	0	2,183	944
2052	6,744	659	326	549	0	0	0	0	0	0	2,150	1,010
2053	6,849	659	326	555	0	0	0	0	0	0	2,129	1,060
2054	6,959	659	326	560	0	0	0	0	0	0	2,139	1,083
2055	7,067	659	326	566	0	0	0	0	0	0	2,149	1,108
2056	7,174	659	326	572	0	0	0	0	0	0	2,161	1,132
2057	7,280	659	326	578	0	0	0	0	0	0	2,167	1,156
2058	7,383	659	326	584	0	0	0	0	0	0	2,175	1,180
2059	7,486	659	326	589	0	0	0	0	0	0	2,184	1,203
2060	7,586	659	326	595	0	0	0	0	0	0	2,197	1,226

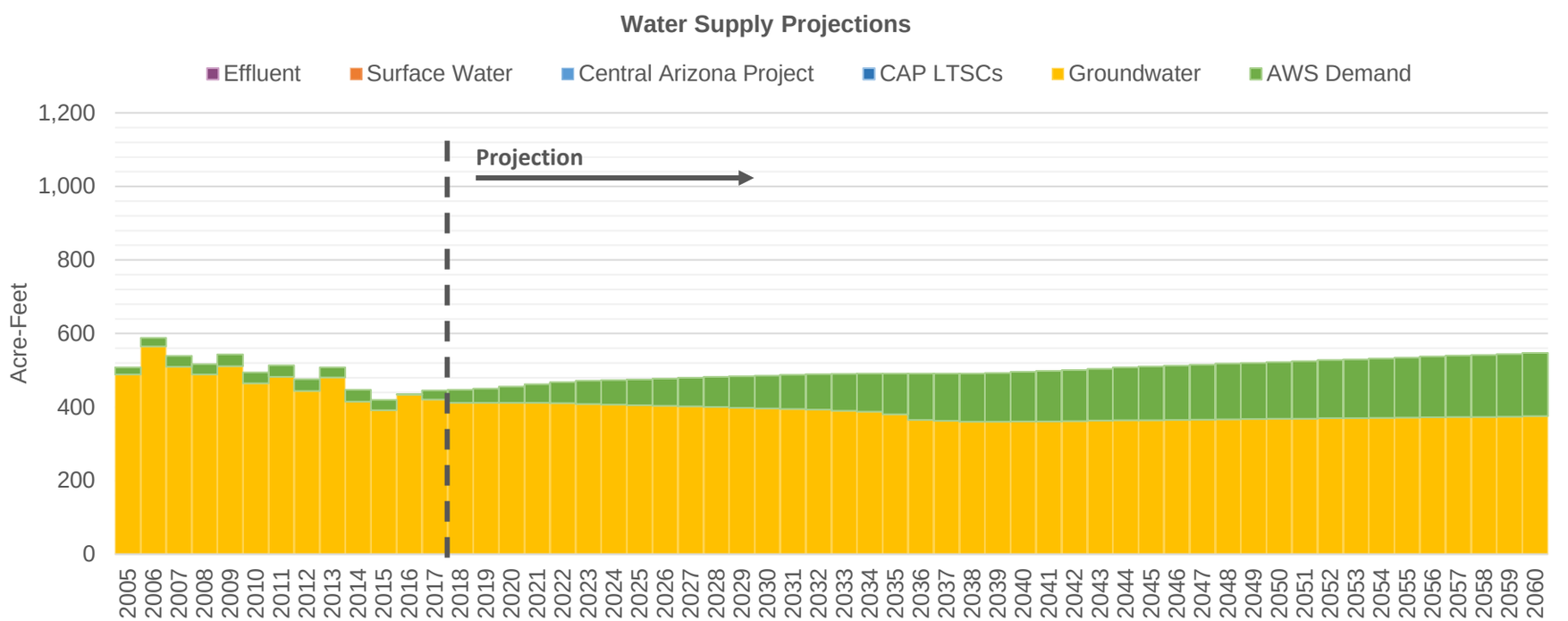
Central Arizona Project Service Area Model

LasQuintas

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

LasQuintas

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

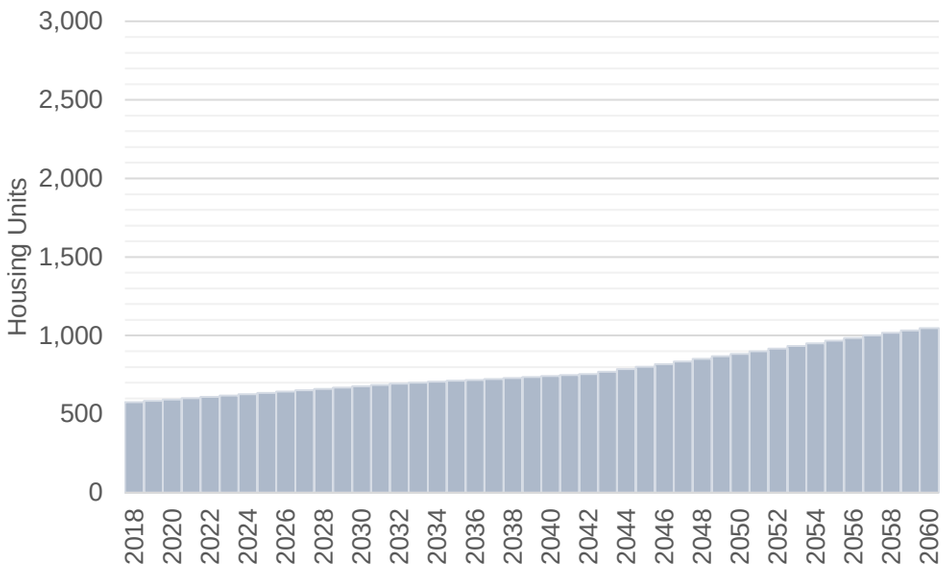
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,093	367	325	0	0	0	0	0	0	0	411	36
2019	1,117	365	325	0	0	0	0	0	0	0	412	38
2020	1,143	361	324	0	0	0	0	0	0	0	412	44
2021	1,171	359	323	0	0	0	0	0	0	0	412	50
2022	1,195	356	323	0	0	0	0	0	0	0	411	57
2023	1,211	353	322	0	0	0	0	0	0	0	409	63
2024	1,226	349	321	0	0	0	0	0	0	0	407	67
2025	1,241	347	321	0	0	0	0	0	0	0	405	70
2026	1,257	345	320	0	0	0	0	0	0	0	404	74
2027	1,273	342	320	0	0	0	0	0	0	0	402	78
2028	1,288	338	319	0	0	0	0	0	0	0	400	82
2029	1,303	336	318	0	0	0	0	0	0	0	398	86
2030	1,318	334	318	0	0	0	0	0	0	0	396	90
2031	1,333	331	317	0	0	0	0	0	0	0	394	93
2032	1,348	328	316	0	0	0	0	0	0	0	393	97
2033	1,358	326	316	0	0	0	0	0	0	0	390	101
2034	1,368	323	315	0	0	0	0	0	0	0	388	103
2035	1,377	321	314	0	0	0	0	0	0	0	381	110
2036	1,387	317	314	0	0	0	0	0	0	0	365	126
2037	1,396	315	313	0	0	0	0	0	0	0	363	128
2038	1,405	313	313	0	0	0	0	0	0	0	360	131
2039	1,413	312	312	0	0	0	0	0	0	0	360	133
2040	1,421	312	311	0	0	0	0	0	0	0	361	135
2041	1,430	312	311	0	0	0	0	0	0	0	361	137
2042	1,438	312	310	0	0	0	0	0	0	0	362	139
2043	1,451	312	309	0	0	0	0	0	0	0	363	141
2044	1,459	312	309	0	0	0	0	0	0	0	364	144
2045	1,466	312	309	0	0	0	0	0	0	0	364	146
2046	1,474	312	309	0	0	0	0	0	0	0	365	148
2047	1,481	312	309	0	0	0	0	0	0	0	366	150
2048	1,488	312	309	0	0	0	0	0	0	0	367	151
2049	1,495	312	309	0	0	0	0	0	0	0	367	153
2050	1,502	312	309	0	0	0	0	0	0	0	368	155
2051	1,508	312	309	0	0	0	0	0	0	0	368	157
2052	1,515	312	309	0	0	0	0	0	0	0	370	158
2053	1,522	312	309	0	0	0	0	0	0	0	370	160
2054	1,529	312	309	0	0	0	0	0	0	0	371	162
2055	1,536	312	309	0	0	0	0	0	0	0	371	163
2056	1,544	312	309	0	0	0	0	0	0	0	373	165
2057	1,551	312	309	0	0	0	0	0	0	0	373	167
2058	1,557	312	309	0	0	0	0	0	0	0	373	169
2059	1,564	312	309	0	0	0	0	0	0	0	374	170
2060	1,571	312	309	0	0	0	0	0	0	0	375	172

LosCerros

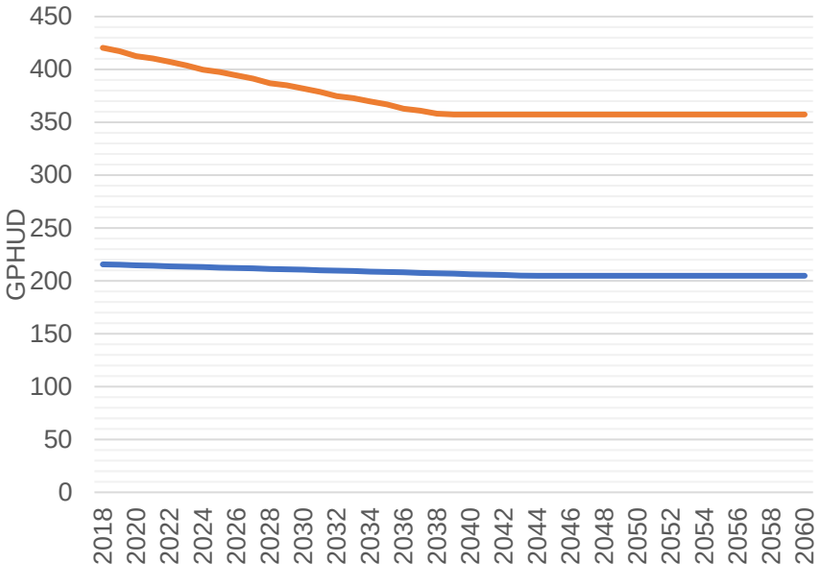
Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]

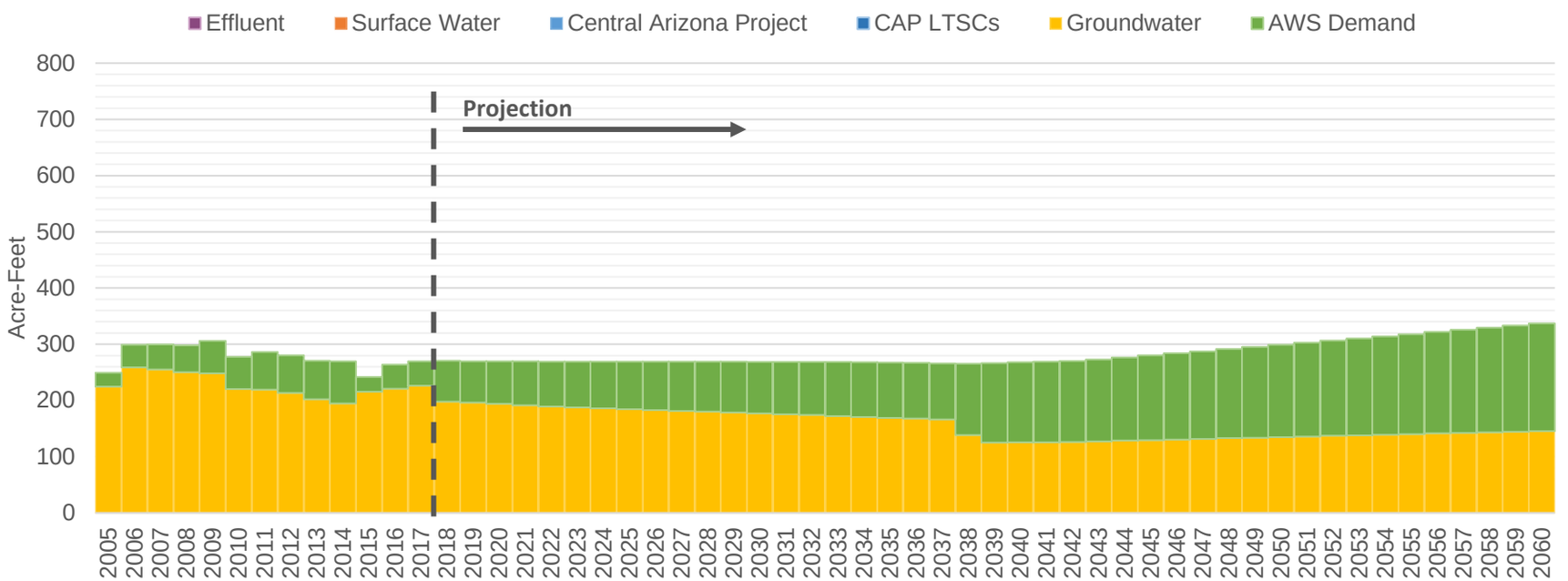
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

LosCerros

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

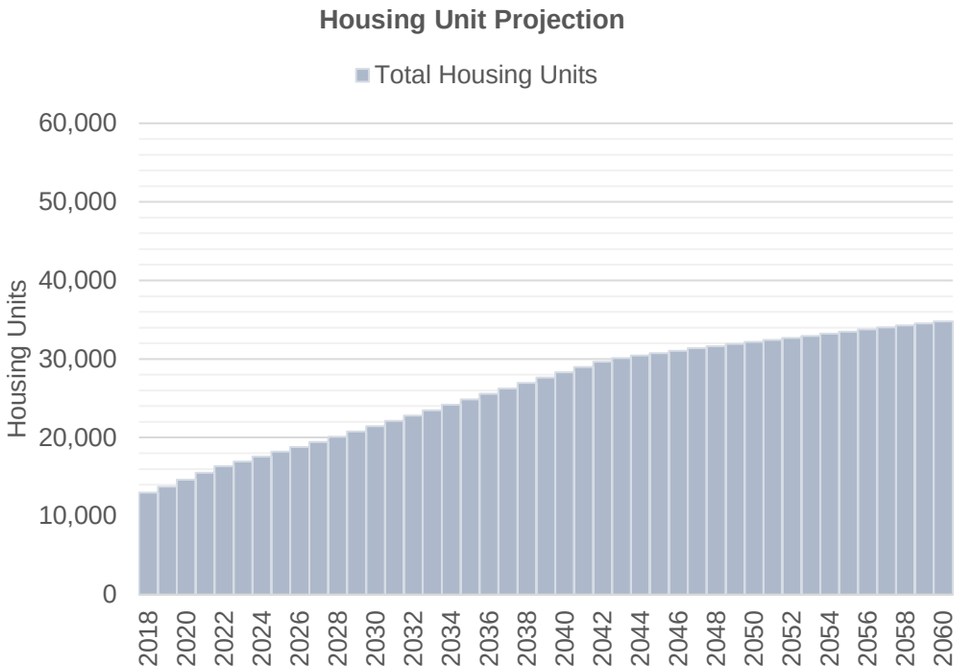
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

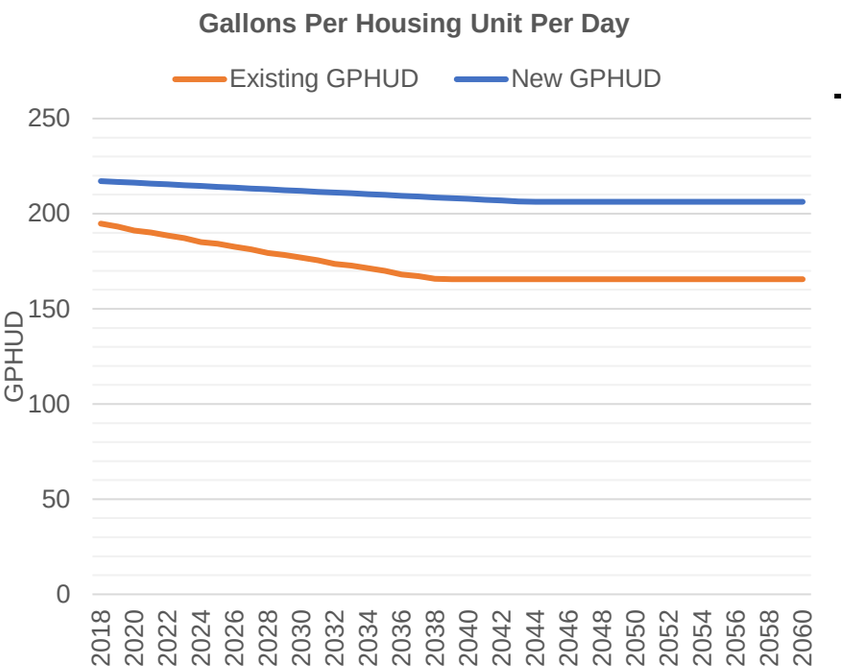
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	577	420	216	0	0	0	0	0	0	0	198	73
2019	585	417	215	0	0	0	0	0	0	0	196	74
2020	593	413	215	0	0	0	0	0	0	0	194	76
2021	602	410	214	0	0	0	0	0	0	0	192	78
2022	610	407	214	0	0	0	0	0	0	0	190	80
2023	619	404	213	0	0	0	0	0	0	0	188	82
2024	627	400	213	0	0	0	0	0	0	0	186	83
2025	635	397	213	0	0	0	0	0	0	0	184	85
2026	644	394	212	0	0	0	0	0	0	0	183	86
2027	652	391	212	0	0	0	0	0	0	0	181	88
2028	661	387	211	0	0	0	0	0	0	0	180	89
2029	669	385	211	0	0	0	0	0	0	0	178	90
2030	677	382	210	0	0	0	0	0	0	0	177	92
2031	686	379	210	0	0	0	0	0	0	0	176	93
2032	694	375	210	0	0	0	0	0	0	0	174	95
2033	700	373	209	0	0	0	0	0	0	0	172	96
2034	706	370	209	0	0	0	0	0	0	0	171	97
2035	712	367	208	0	0	0	0	0	0	0	169	98
2036	718	363	208	0	0	0	0	0	0	0	168	99
2037	724	361	208	0	0	0	0	0	0	0	166	100
2038	730	358	207	0	0	0	0	0	0	0	138	127
2039	736	357	207	0	0	0	0	0	0	0	125	141
2040	742	357	206	0	0	0	0	0	0	0	126	142
2041	748	357	206	0	0	0	0	0	0	0	126	143
2042	754	357	205	0	0	0	0	0	0	0	126	144
2043	769	357	205	0	0	0	0	0	0	0	127	145
2044	786	357	205	0	0	0	0	0	0	0	129	148
2045	802	357	205	0	0	0	0	0	0	0	130	151
2046	818	357	205	0	0	0	0	0	0	0	131	153
2047	834	357	205	0	0	0	0	0	0	0	132	156
2048	851	357	205	0	0	0	0	0	0	0	133	158
2049	868	357	205	0	0	0	0	0	0	0	134	161
2050	884	357	205	0	0	0	0	0	0	0	135	164
2051	901	357	205	0	0	0	0	0	0	0	136	167
2052	917	357	205	0	0	0	0	0	0	0	137	170
2053	933	357	205	0	0	0	0	0	0	0	138	172
2054	951	357	205	0	0	0	0	0	0	0	139	175
2055	967	357	205	0	0	0	0	0	0	0	140	178
2056	984	357	205	0	0	0	0	0	0	0	142	180
2057	1,000	357	205	0	0	0	0	0	0	0	142	183
2058	1,017	357	205	0	0	0	0	0	0	0	143	186
2059	1,033	357	205	0	0	0	0	0	0	0	144	189
2060	1,048	357	205	0	0	0	0	0	0	0	146	191

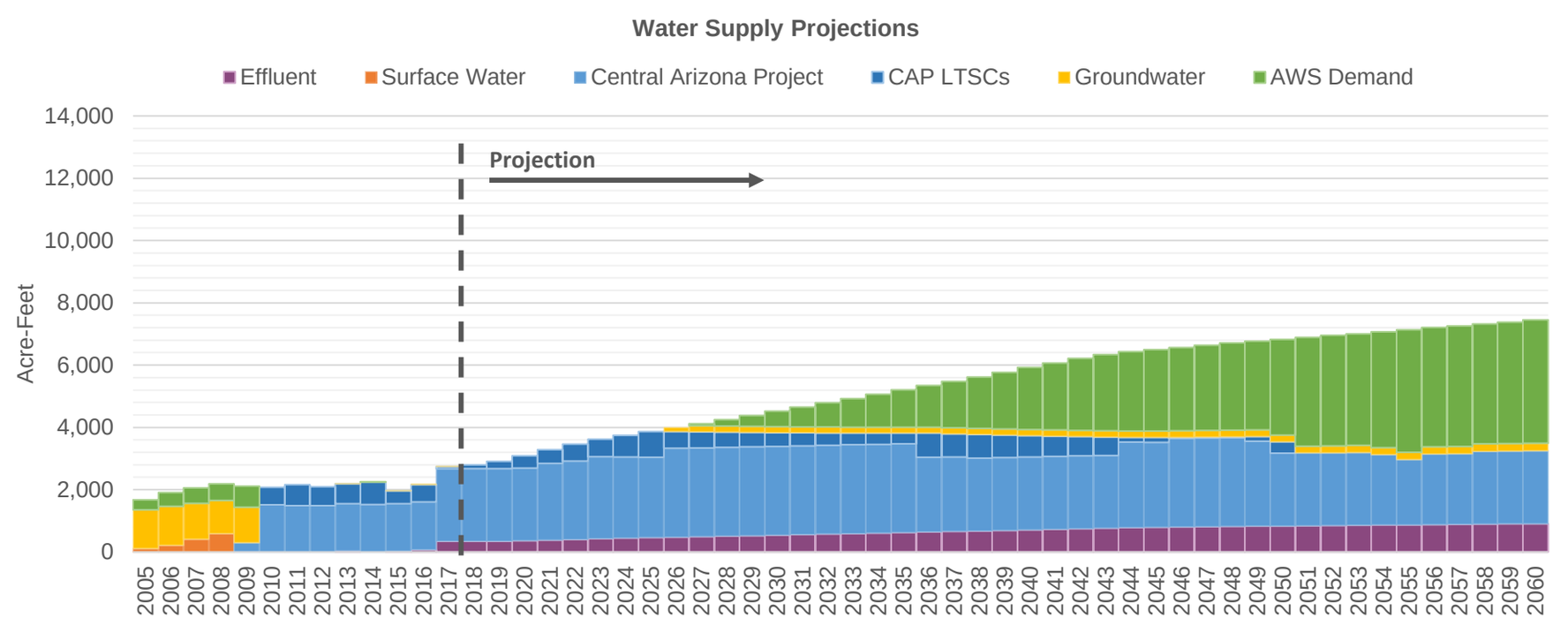
Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]

Marana







Central Arizona Project Service Area Model

Marana

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions

Water Supply Projections (Acre-Feet)

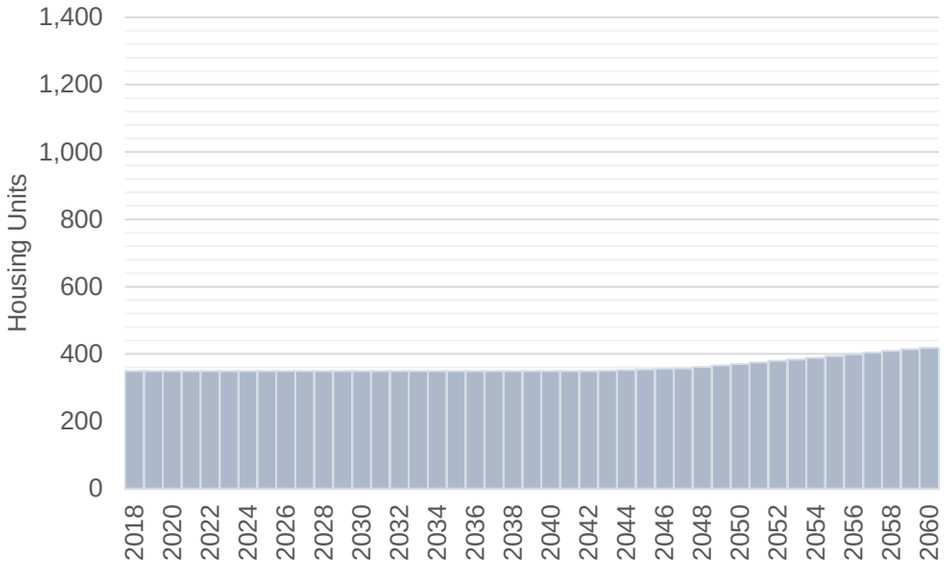
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	12,985	195	217	345	0	0	0	2,336	0	115	0	0
2019	13,761	193	217	345	0	0	0	2,336	0	234	0	0
2020	14,619	191	216	359	0	0	0	2,336	0	397	0	0
2021	15,522	190	216	381	0	0	0	2,463	0	437	0	0
2022	16,350	189	215	405	0	0	0	2,519	0	544	0	0
2023	16,964	187	215	428	0	0	0	2,636	0	554	0	0
2024	17,582	185	215	446	0	0	0	2,608	0	692	0	0
2025	18,201	184	214	462	0	0	0	2,583	0	824	0	0
2026	18,822	183	214	477	0	0	0	2,851	0	540	125	0
2027	19,451	181	213	492	0	0	0	2,851	0	513	197	65
2028	20,117	179	213	508	0	0	0	2,851	0	488	195	213
2029	20,785	178	212	525	0	0	0	2,851	0	463	194	352
2030	21,454	177	212	541	0	0	0	2,851	0	440	193	495
2031	22,123	175	212	557	0	0	0	2,851	0	418	192	636
2032	22,793	174	211	574	0	0	0	2,851	0	397	191	781
2033	23,489	173	211	591	0	0	0	2,851	0	377	191	915
2034	24,183	171	210	607	0	0	0	2,851	0	358	191	1,057
2035	24,877	170	210	624	0	0	0	2,851	0	341	191	1,196
2036	25,569	168	209	642	0	0	0	2,404	0	770	192	1,341
2037	26,260	167	209	660	0	0	0	2,391	0	745	193	1,489
2038	26,948	166	209	675	0	0	0	2,336	0	763	194	1,646
2039	27,634	166	208	692	0	0	0	2,336	0	725	195	1,815
2040	28,317	166	208	711	0	0	0	2,336	0	688	196	1,994
2041	28,996	166	207	731	0	0	0	2,336	0	654	198	2,148
2042	29,672	166	207	748	0	0	0	2,336	0	621	200	2,310
2043	30,123	166	207	766	0	0	0	2,336	0	590	202	2,444
2044	30,435	166	206	782	0	0	0	2,747	0	150	205	2,550
2045	30,746	166	206	793	0	0	0	2,726	0	163	207	2,604
2046	31,053	166	206	801	0	0	0	2,851	0	30	210	2,674
2047	31,359	166	206	809	0	0	0	2,851	0	29	212	2,735
2048	31,641	166	206	818	0	0	0	2,851	0	27	215	2,805
2049	31,906	166	206	828	0	0	0	2,726	0	151	217	2,845
2050	32,168	166	206	834	0	0	0	2,336	0	364	220	3,074
2051	32,427	166	206	842	0	0	0	2,336	0	0	222	3,488
2052	32,683	166	206	849	0	0	0	2,336	0	0	225	3,550
2053	32,949	166	206	858	0	0	0	2,336	0	0	227	3,586
2054	33,224	166	206	864	0	0	0	2,261	0	0	230	3,716
2055	33,496	166	206	872	0	0	0	2,098	0	0	232	3,931
2056	33,765	166	206	880	0	0	0	2,261	0	0	235	3,834
2057	34,029	166	206	889	0	0	0	2,261	0	0	237	3,871
2058	34,290	166	206	895	0	0	0	2,336	0	0	240	3,847
2059	34,546	166	206	902	0	0	0	2,336	0	0	243	3,897
2060	34,798	166	206	910	0	0	0	2,336	0	0	245	3,960

Central Arizona Project Service Area Model

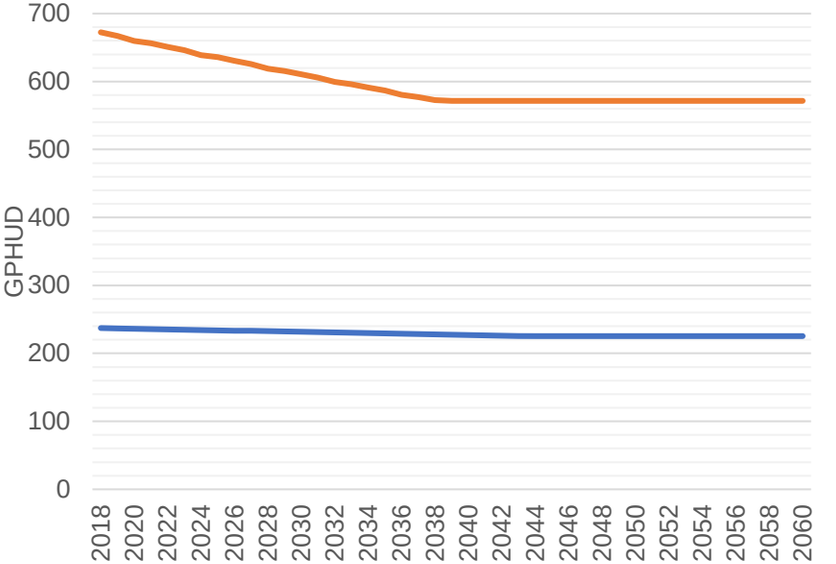
MaranaDomestic

A. Official, Historic Climate [LSCRBS]

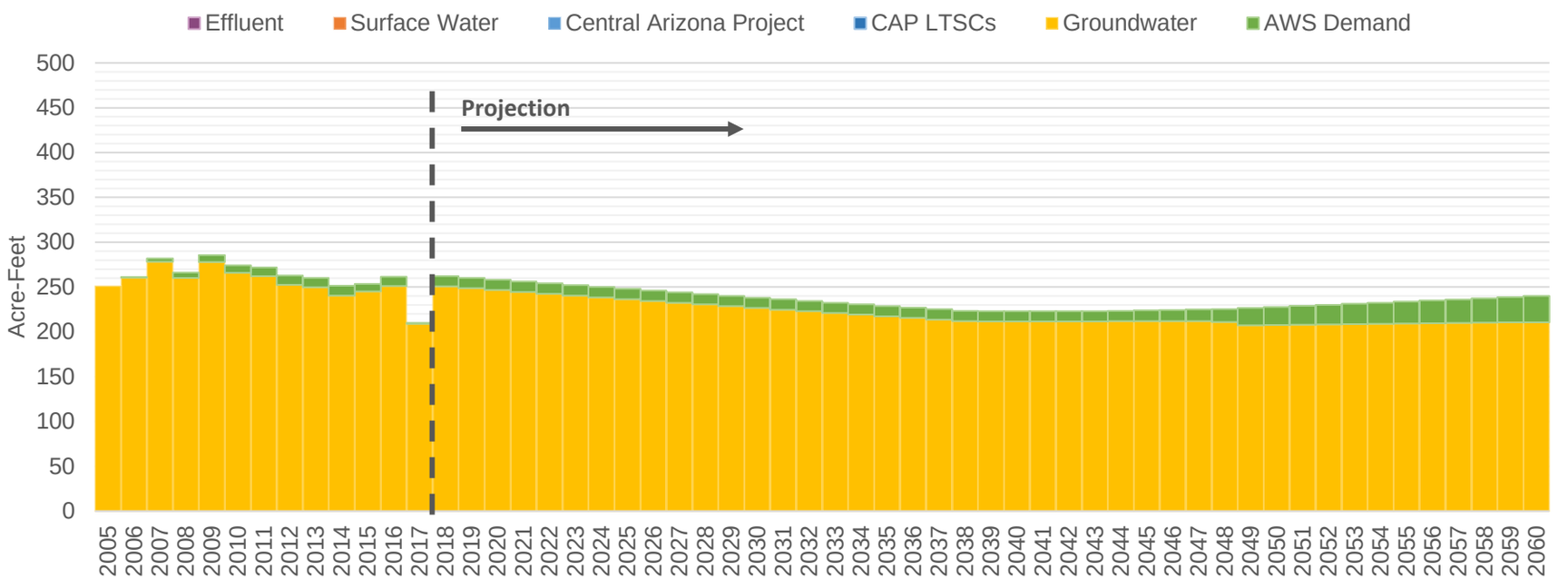
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

MaranaDomesti

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

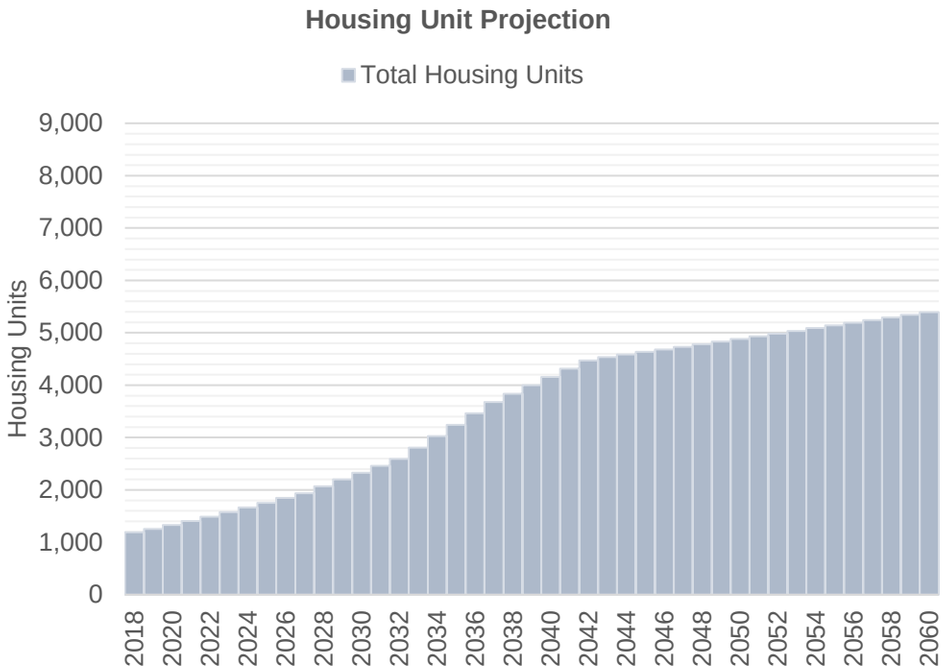
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

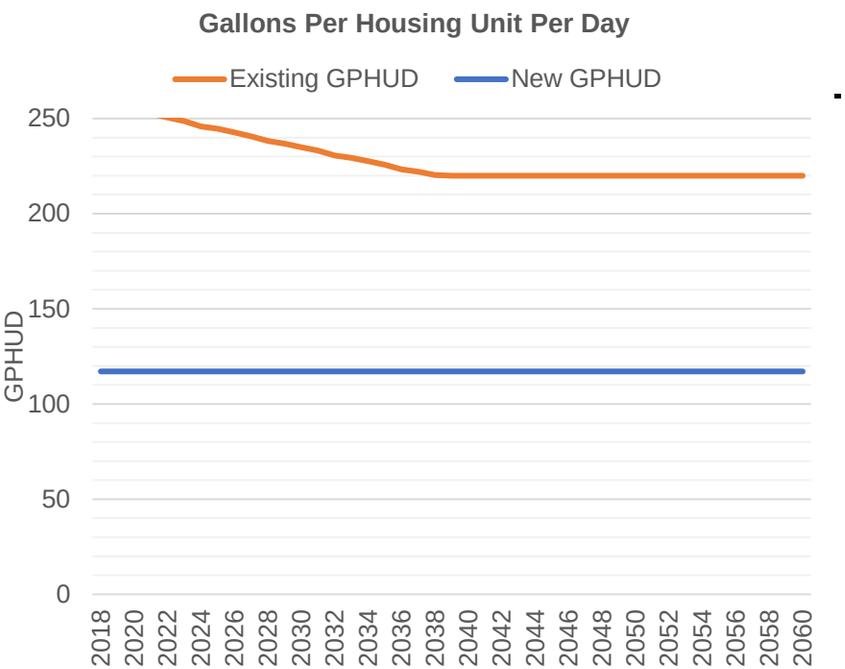
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	349	672	237	0	0	0	0	0	0	0	251	11
2019	349	667	237	0	0	0	0	0	0	0	249	11
2020	349	660	236	0	0	0	0	0	0	0	247	11
2021	349	656	236	0	0	0	0	0	0	0	245	11
2022	349	651	235	0	0	0	0	0	0	0	243	11
2023	349	646	235	0	0	0	0	0	0	0	241	11
2024	349	639	234	0	0	0	0	0	0	0	239	11
2025	349	636	234	0	0	0	0	0	0	0	237	11
2026	349	631	234	0	0	0	0	0	0	0	235	11
2027	349	626	233	0	0	0	0	0	0	0	233	11
2028	349	619	233	0	0	0	0	0	0	0	231	11
2029	349	616	232	0	0	0	0	0	0	0	229	11
2030	349	611	232	0	0	0	0	0	0	0	227	11
2031	349	606	231	0	0	0	0	0	0	0	225	11
2032	349	599	231	0	0	0	0	0	0	0	223	11
2033	349	596	230	0	0	0	0	0	0	0	221	11
2034	349	591	230	0	0	0	0	0	0	0	219	11
2035	349	587	229	0	0	0	0	0	0	0	217	11
2036	349	580	229	0	0	0	0	0	0	0	216	11
2037	349	577	228	0	0	0	0	0	0	0	214	11
2038	349	573	228	0	0	0	0	0	0	0	212	11
2039	349	572	228	0	0	0	0	0	0	0	212	11
2040	349	572	227	0	0	0	0	0	0	0	212	11
2041	349	572	227	0	0	0	0	0	0	0	212	11
2042	349	572	226	0	0	0	0	0	0	0	212	11
2043	350	572	226	0	0	0	0	0	0	0	212	11
2044	352	572	225	0	0	0	0	0	0	0	212	12
2045	354	572	225	0	0	0	0	0	0	0	212	12
2046	356	572	225	0	0	0	0	0	0	0	212	12
2047	357	572	225	0	0	0	0	0	0	0	212	13
2048	361	572	225	0	0	0	0	0	0	0	211	15
2049	366	572	225	0	0	0	0	0	0	0	207	19
2050	370	572	225	0	0	0	0	0	0	0	208	20
2051	375	572	225	0	0	0	0	0	0	0	208	21
2052	380	572	225	0	0	0	0	0	0	0	208	22
2053	384	572	225	0	0	0	0	0	0	0	209	23
2054	389	572	225	0	0	0	0	0	0	0	209	24
2055	394	572	225	0	0	0	0	0	0	0	209	24
2056	399	572	225	0	0	0	0	0	0	0	210	25
2057	404	572	225	0	0	0	0	0	0	0	210	26
2058	409	572	225	0	0	0	0	0	0	0	210	27
2059	414	572	225	0	0	0	0	0	0	0	211	28
2060	418	572	225	0	0	0	0	0	0	0	211	29

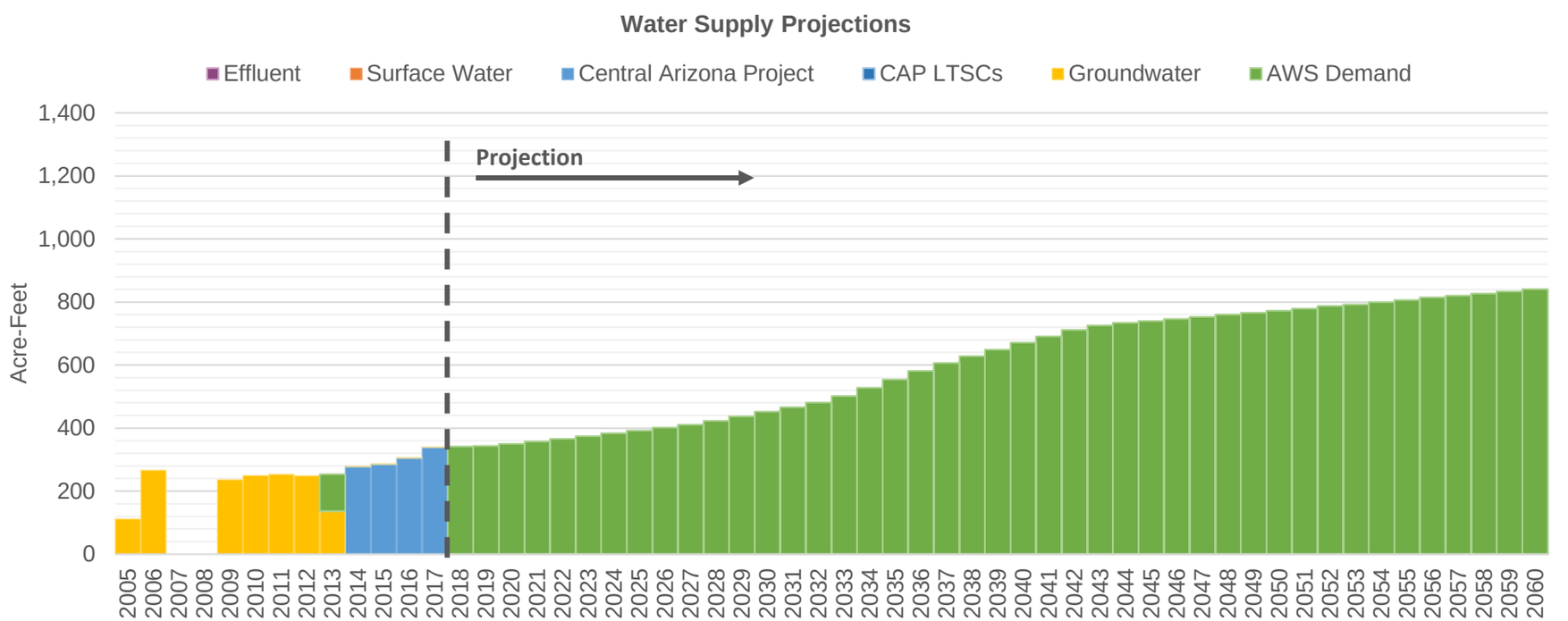
Central Arizona Project Service Area Model

MetroDiablo

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroDiablo

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

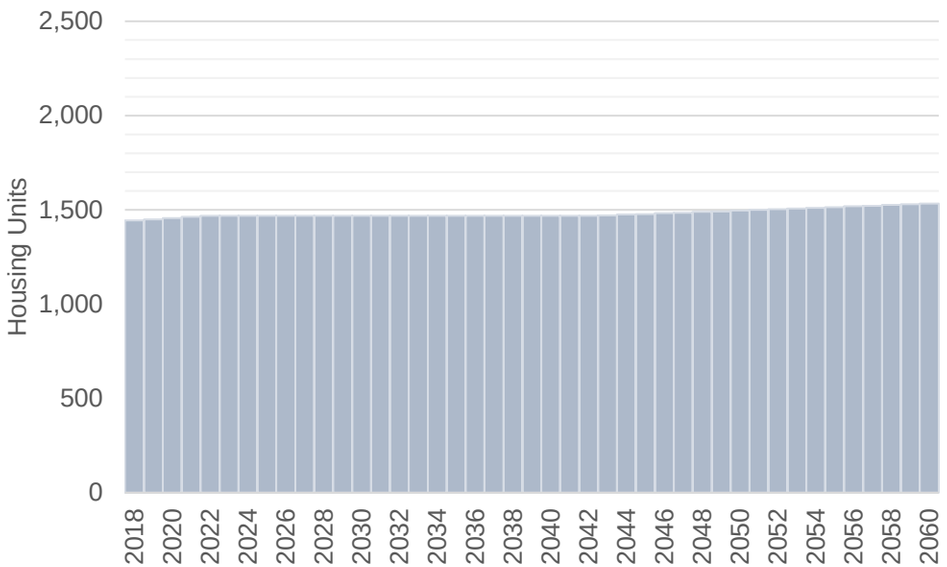
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,192	259	117	0	0	0	0	0	0	0	0	341
2019	1,254	257	117	0	0	0	0	0	0	0	0	344
2020	1,329	254	117	0	0	0	0	0	0	0	0	350
2021	1,409	253	117	0	0	0	0	0	0	0	0	358
2022	1,492	251	117	0	0	0	0	0	0	0	0	366
2023	1,580	249	117	0	0	0	0	0	0	0	0	374
2024	1,668	246	117	0	0	0	0	0	0	0	0	383
2025	1,757	245	117	0	0	0	0	0	0	0	0	392
2026	1,846	243	117	0	0	0	0	0	0	0	0	401
2027	1,940	241	117	0	0	0	0	0	0	0	0	411
2028	2,070	238	117	0	0	0	0	0	0	0	0	423
2029	2,199	237	117	0	0	0	0	0	0	0	0	437
2030	2,328	235	117	0	0	0	0	0	0	0	0	452
2031	2,458	233	117	0	0	0	0	0	0	0	0	466
2032	2.591	231	117	0	0	0	0	0	0	0	0	482
2033	2,809	229	117	0	0	0	0	0	0	0	0	502
2034	3,027	228	117	0	0	0	0	0	0	0	0	528
2035	3,245	226	117	0	0	0	0	0	0	0	0	554
2036	3,462	223	117	0	0	0	0	0	0	0	0	581
2037	3,678	222	117	0	0	0	0	0	0	0	0	606
2038	3,838	220	117	0	0	0	0	0	0	0	0	629
2039	3,997	220	117	0	0	0	0	0	0	0	0	649
2040	4,156	220	117	0	0	0	0	0	0	0	0	671
2041	4,313	220	117	0	0	0	0	0	0	0	0	691
2042	4,470	220	117	0	0	0	0	0	0	0	0	711
2043	4,534	220	117	0	0	0	0	0	0	0	0	726
2044	4,584	220	117	0	0	0	0	0	0	0	0	734
2045	4,634	220	117	0	0	0	0	0	0	0	0	740
2046	4,683	220	117	0	0	0	0	0	0	0	0	746
2047	4,731	220	117	0	0	0	0	0	0	0	0	753
2048	4,782	220	117	0	0	0	0	0	0	0	0	760
2049	4,833	220	117	0	0	0	0	0	0	0	0	766
2050	4,884	220	117	0	0	0	0	0	0	0	0	773
2051	4,934	220	117	0	0	0	0	0	0	0	0	779
2052	4,984	220	117	0	0	0	0	0	0	0	0	787
2053	5,035	220	117	0	0	0	0	0	0	0	0	792
2054	5,089	220	117	0	0	0	0	0	0	0	0	799
2055	5,142	220	117	0	0	0	0	0	0	0	0	806
2056	5,193	220	117	0	0	0	0	0	0	0	0	814
2057	5,245	220	117	0	0	0	0	0	0	0	0	820
2058	5,295	220	117	0	0	0	0	0	0	0	0	826
2059	5,345	220	117	0	0	0	0	0	0	0	0	833
2060	5,394	220	117	0	0	0	0	0	0	0	0	841

Central Arizona Project Service Area Model

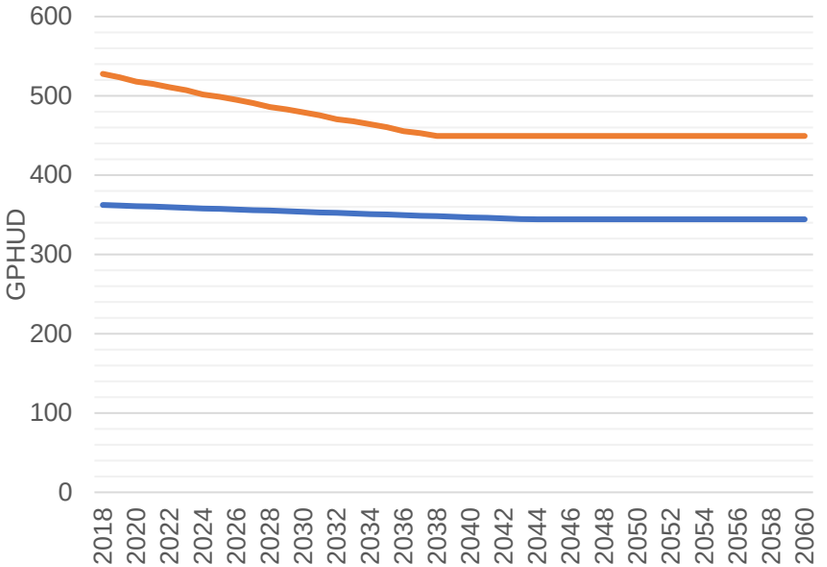
MetroHub

A. Official, Historic Climate [LSCRBS]

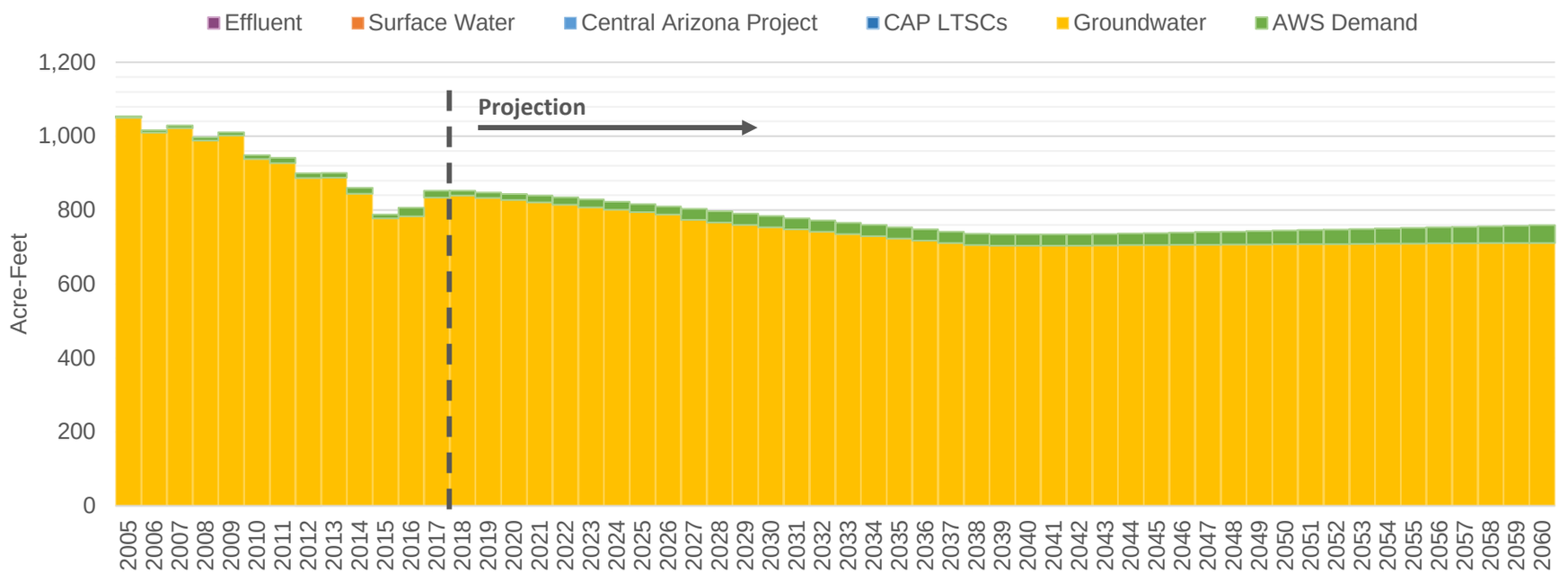
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

MetroHub

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

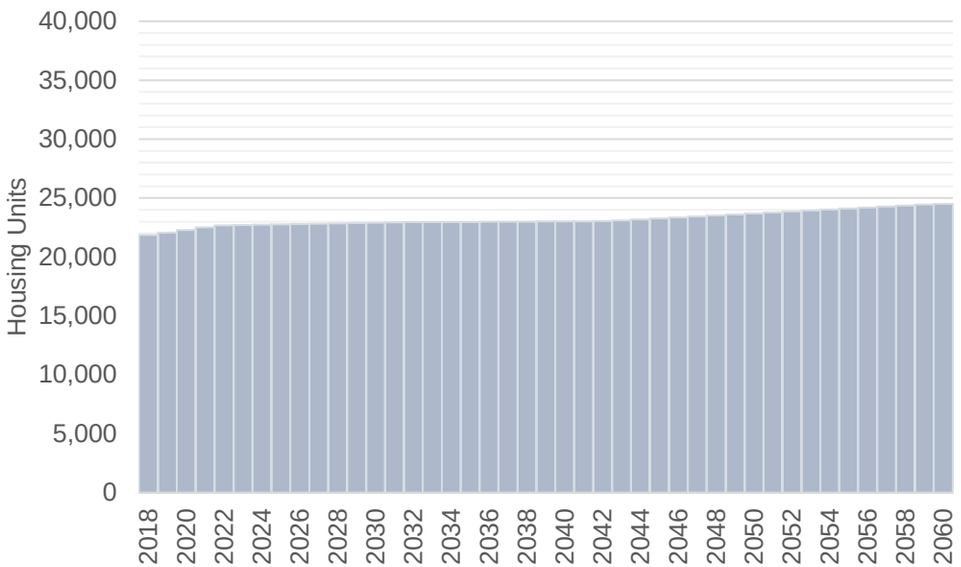
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,444	528	362	0	0	0	0	0	0	0	839	13
2019	1,450	524	362	0	0	0	0	0	0	0	833	14
2020	1,457	518	361	0	0	0	0	0	0	0	827	16
2021	1,463	515	360	0	0	0	0	0	0	0	821	18
2022	1,468	511	360	0	0	0	0	0	0	0	815	20
2023	1,468	507	359	0	0	0	0	0	0	0	808	21
2024	1,468	502	358	0	0	0	0	0	0	0	801	21
2025	1,468	499	357	0	0	0	0	0	0	0	795	21
2026	1,468	495	357	0	0	0	0	0	0	0	788	21
2027	1,468	491	356	0	0	0	0	0	0	0	774	30
2028	1,468	486	355	0	0	0	0	0	0	0	767	30
2029	1,468	483	355	0	0	0	0	0	0	0	760	30
2030	1,468	479	354	0	0	0	0	0	0	0	754	30
2031	1,468	475	353	0	0	0	0	0	0	0	748	30
2032	1,468	470	352	0	0	0	0	0	0	0	742	30
2033	1,468	468	352	0	0	0	0	0	0	0	735	30
2034	1,468	464	351	0	0	0	0	0	0	0	729	30
2035	1,468	460	350	0	0	0	0	0	0	0	723	30
2036	1,468	455	350	0	0	0	0	0	0	0	717	30
2037	1,468	453	349	0	0	0	0	0	0	0	712	30
2038	1,468	449	348	0	0	0	0	0	0	0	706	30
2039	1,468	449	347	0	0	0	0	0	0	0	704	30
2040	1,468	449	347	0	0	0	0	0	0	0	704	30
2041	1,468	449	346	0	0	0	0	0	0	0	704	30
2042	1,468	449	345	0	0	0	0	0	0	0	704	30
2043	1,471	449	345	0	0	0	0	0	0	0	705	30
2044	1,475	449	344	0	0	0	0	0	0	0	705	31
2045	1,478	449	344	0	0	0	0	0	0	0	705	32
2046	1,482	449	344	0	0	0	0	0	0	0	706	33
2047	1,485	449	344	0	0	0	0	0	0	0	706	34
2048	1,489	449	344	0	0	0	0	0	0	0	707	35
2049	1,492	449	344	0	0	0	0	0	0	0	707	36
2050	1,496	449	344	0	0	0	0	0	0	0	708	37
2051	1,500	449	344	0	0	0	0	0	0	0	708	38
2052	1,503	449	344	0	0	0	0	0	0	0	708	39
2053	1,507	449	344	0	0	0	0	0	0	0	709	40
2054	1,511	449	344	0	0	0	0	0	0	0	709	41
2055	1,515	449	344	0	0	0	0	0	0	0	710	42
2056	1,519	449	344	0	0	0	0	0	0	0	710	43
2057	1,522	449	344	0	0	0	0	0	0	0	710	45
2058	1,526	449	344	0	0	0	0	0	0	0	711	45
2059	1,530	449	344	0	0	0	0	0	0	0	711	46
2060	1,533	449	344	0	0	0	0	0	0	0	712	48

Central Arizona Project Service Area Model

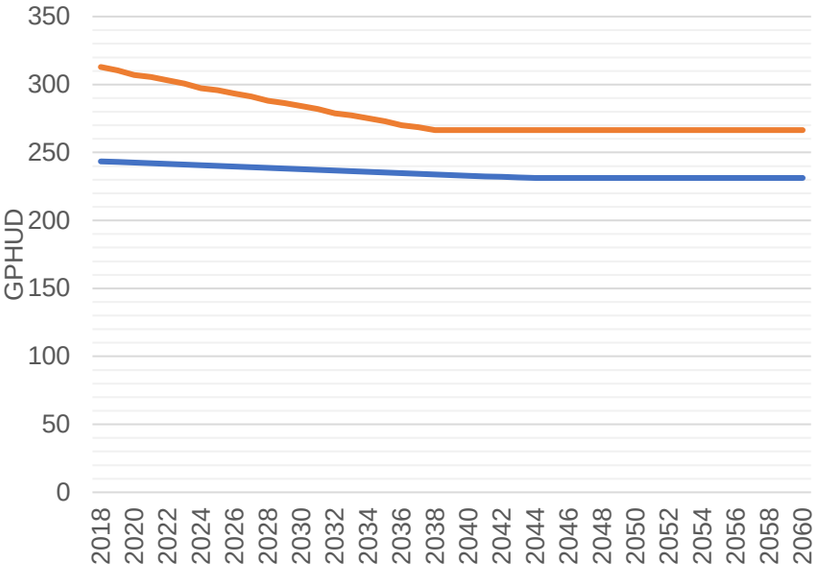
MetroMain

A. Official, Historic Climate [LSCRBS]

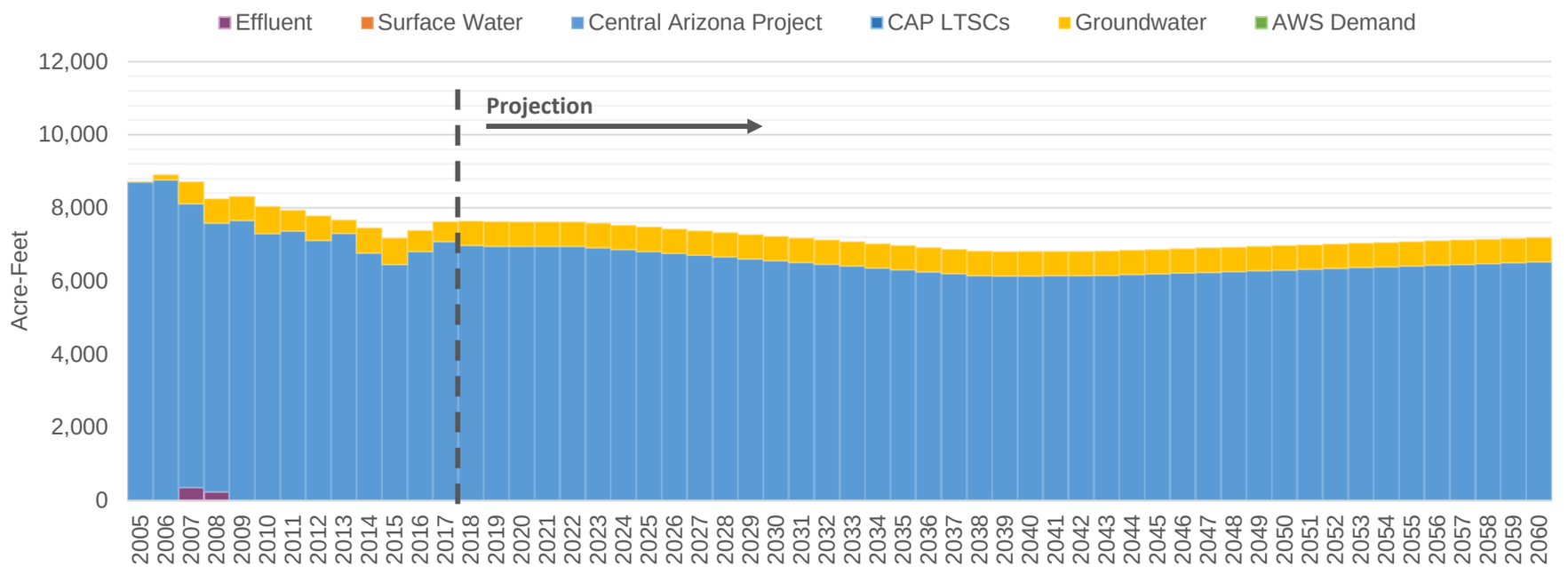
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

MetroMain

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions

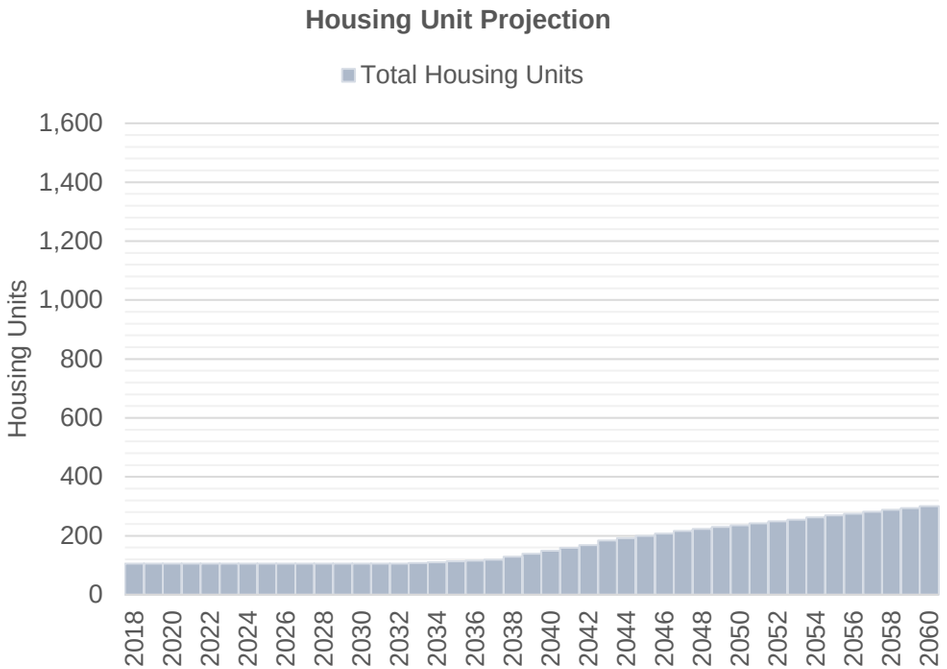
Water Supply Projections (Acre-Feet)

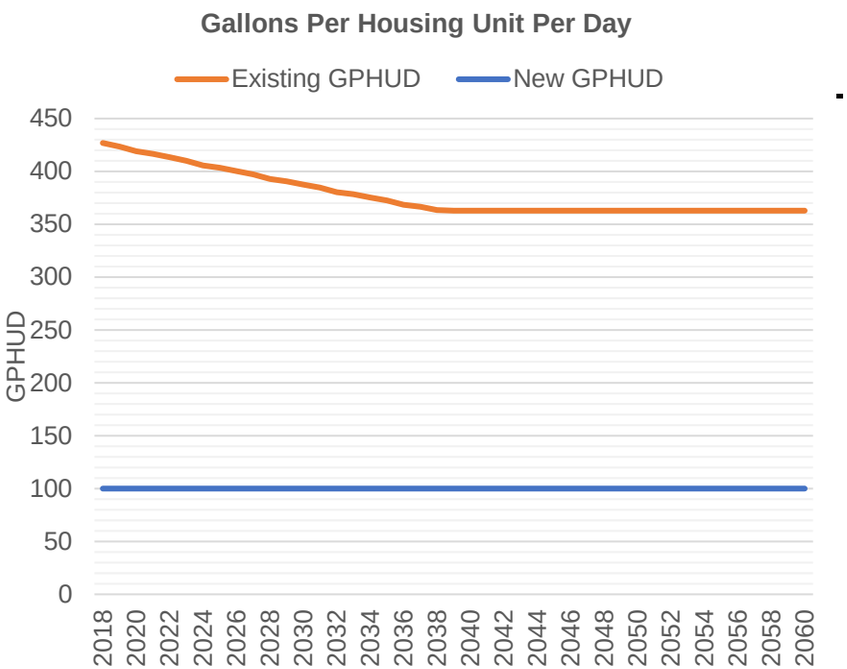
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	21,865	313	243	0	0	0	0	6,974	6,486	0	668	0
2019	22,066	310	243	0	0	0	0	6,954	6,506	0	668	0
2020	22,287	307	242	0	0	0	0	6,951	6,509	0	668	0
2021	22,520	305	242	0	0	0	0	6,952	6,508	0	668	0
2022	22,693	303	241	0	0	0	0	6,947	6,513	0	668	0
2023	22,718	301	241	0	0	0	0	6,914	6,546	0	668	0
2024	22,743	297	241	0	0	0	0	6,862	6,598	0	668	0
2025	22,768	296	240	0	0	0	0	6,810	6,650	0	668	0
2026	22,794	293	240	0	0	0	0	6,758	6,702	0	668	0
2027	22,819	291	239	0	0	0	0	6,707	6,753	0	668	0
2028	22,846	288	239	0	0	0	0	6,658	6,802	0	668	0
2029	22,872	286	238	0	0	0	0	6,607	6,853	0	668	0
2030	22,899	284	238	0	0	0	0	6,558	6,902	0	668	0
2031	22,925	282	237	0	0	0	0	6,509	6,951	0	668	0
2032	22,951	279	237	0	0	0	0	6,461	6,999	0	668	0
2033	22,959	277	236	0	0	0	0	6,410	7,050	0	668	0
2034	22,968	275	236	0	0	0	0	6,357	7,103	0	668	0
2035	22,976	273	235	0	0	0	0	6,305	7,155	0	668	0
2036	22,984	270	235	0	0	0	0	6,254	7,206	0	668	0
2037	22,993	269	234	0	0	0	0	6,202	7,258	0	668	0
2038	23,002	266	234	0	0	0	0	6,151	7,309	0	668	0
2039	23,011	266	233	0	0	0	0	6,141	7,319	0	668	0
2040	23,020	266	233	0	0	0	0	6,144	7,316	0	668	0
2041	23,029	266	232	0	0	0	0	6,144	7,316	0	668	0
2042	23,038	266	232	0	0	0	0	6,146	7,314	0	668	0
2043	23,111	266	232	0	0	0	0	6,156	7,304	0	668	0
2044	23,194	266	231	0	0	0	0	6,177	7,283	0	668	0
2045	23,276	266	231	0	0	0	0	6,197	7,263	0	668	0
2046	23,358	266	231	0	0	0	0	6,218	7,242	0	668	0
2047	23,439	266	231	0	0	0	0	6,240	7,220	0	668	0
2048	23,522	266	231	0	0	0	0	6,262	7,198	0	668	0
2049	23,606	266	231	0	0	0	0	6,282	7,178	0	668	0
2050	23,690	266	231	0	0	0	0	6,304	7,156	0	668	0
2051	23,773	266	231	0	0	0	0	6,326	7,134	0	668	0
2052	23,855	266	231	0	0	0	0	6,349	7,111	0	668	0
2053	23,939	266	231	0	0	0	0	6,369	7,091	0	668	0
2054	24,025	266	231	0	0	0	0	6,391	6,634	0	668	0
2055	24,110	266	231	0	0	0	0	6,413	5,678	0	668	0
2056	24,194	266	231	0	0	0	0	6,436	6,589	0	668	0
2057	24,277	266	231	0	0	0	0	6,456	6,569	0	668	0
2058	24,358	266	231	0	0	0	0	6,478	6,982	0	668	0
2059	24,439	266	231	0	0	0	0	6,499	6,961	0	668	0
2060	24,518	266	231	0	0	0	0	6,521	6,939	0	668	0

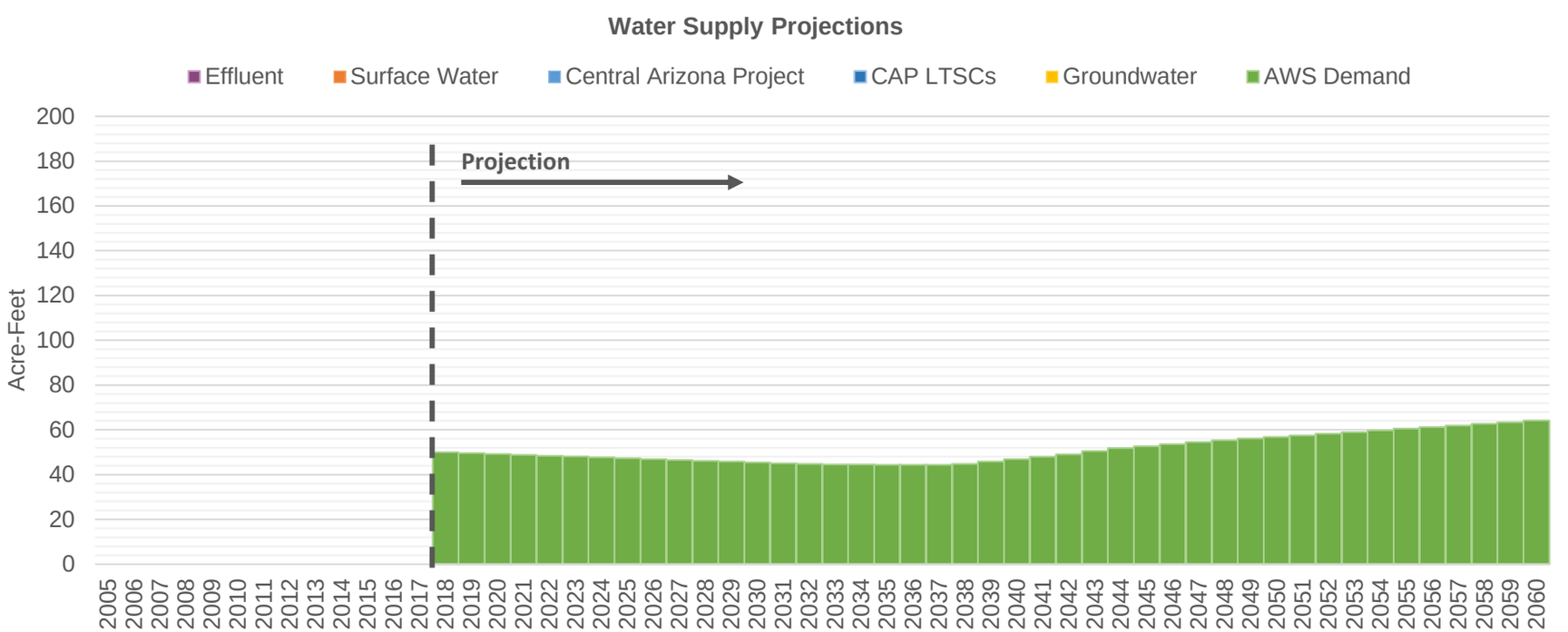
Central Arizona Project Service Area Model

MetroWest

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroWest

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

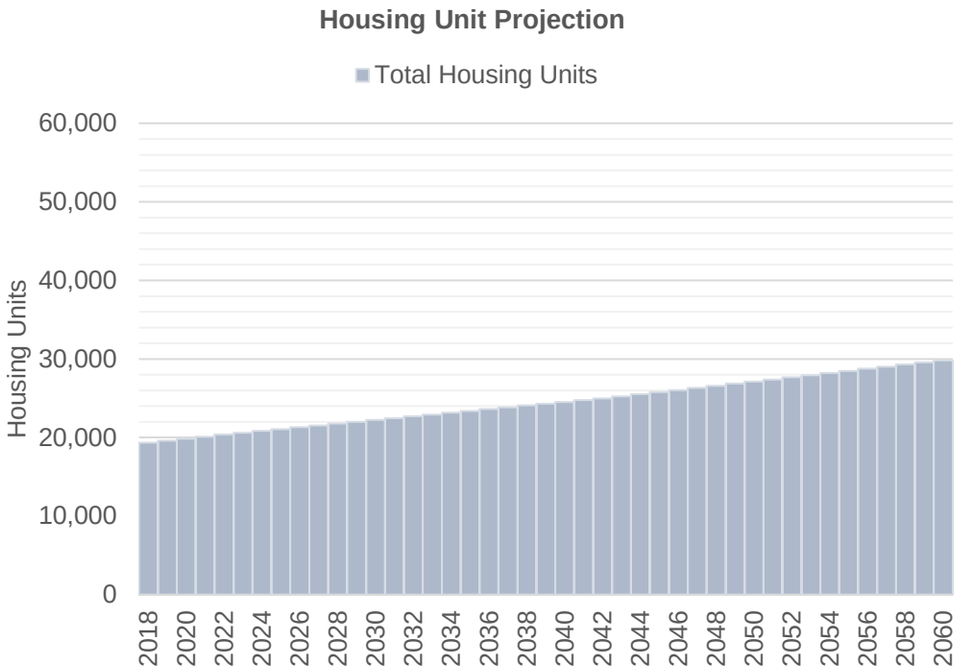
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

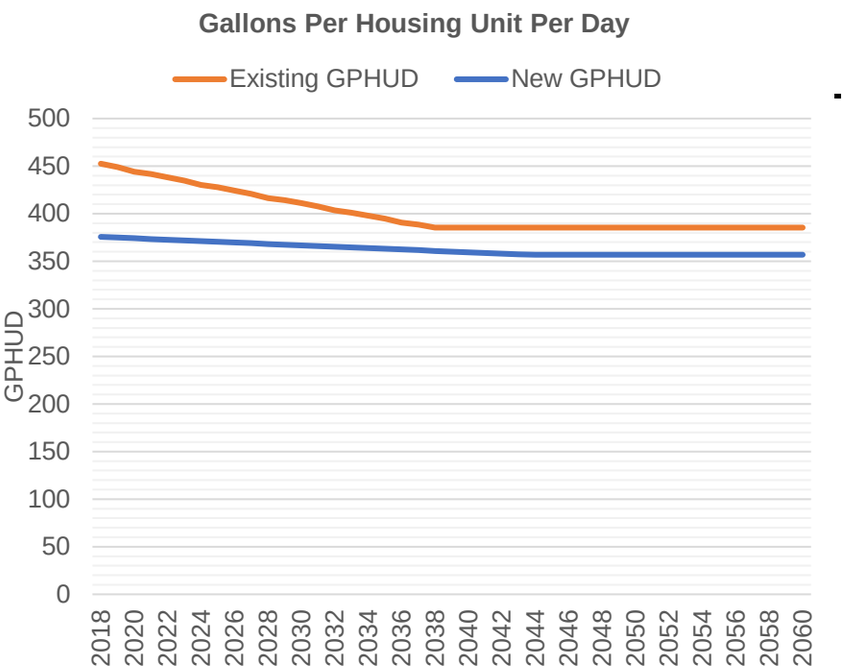
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	105	427	100	0	0	0	0	0	0	0	0	50
2019	105	423	100	0	0	0	0	0	0	0	0	50
2020	105	419	100	0	0	0	0	0	0	0	0	49
2021	105	417	100	0	0	0	0	0	0	0	0	49
2022	105	413	100	0	0	0	0	0	0	0	0	48
2023	105	410	100	0	0	0	0	0	0	0	0	48
2024	105	406	100	0	0	0	0	0	0	0	0	48
2025	105	404	100	0	0	0	0	0	0	0	0	47
2026	105	400	100	0	0	0	0	0	0	0	0	47
2027	105	397	100	0	0	0	0	0	0	0	0	47
2028	105	393	100	0	0	0	0	0	0	0	0	46
2029	105	391	100	0	0	0	0	0	0	0	0	46
2030	105	388	100	0	0	0	0	0	0	0	0	45
2031	105	385	100	0	0	0	0	0	0	0	0	45
2032	105	380	100	0	0	0	0	0	0	0	0	45
2033	108	378	100	0	0	0	0	0	0	0	0	45
2034	110	375	100	0	0	0	0	0	0	0	0	44
2035	113	372	100	0	0	0	0	0	0	0	0	44
2036	116	368	100	0	0	0	0	0	0	0	0	44
2037	119	366	100	0	0	0	0	0	0	0	0	44
2038	129	364	100	0	0	0	0	0	0	0	0	45
2039	139	363	100	0	0	0	0	0	0	0	0	46
2040	149	363	100	0	0	0	0	0	0	0	0	47
2041	159	363	100	0	0	0	0	0	0	0	0	48
2042	168	363	100	0	0	0	0	0	0	0	0	49
2043	184	363	100	0	0	0	0	0	0	0	0	51
2044	192	363	100	0	0	0	0	0	0	0	0	52
2045	200	363	100	0	0	0	0	0	0	0	0	53
2046	208	363	100	0	0	0	0	0	0	0	0	54
2047	216	363	100	0	0	0	0	0	0	0	0	55
2048	223	363	100	0	0	0	0	0	0	0	0	55
2049	230	363	100	0	0	0	0	0	0	0	0	56
2050	236	363	100	0	0	0	0	0	0	0	0	57
2051	242	363	100	0	0	0	0	0	0	0	0	58
2052	249	363	100	0	0	0	0	0	0	0	0	58
2053	255	363	100	0	0	0	0	0	0	0	0	59
2054	262	363	100	0	0	0	0	0	0	0	0	60
2055	269	363	100	0	0	0	0	0	0	0	0	61
2056	275	363	100	0	0	0	0	0	0	0	0	61
2057	282	363	100	0	0	0	0	0	0	0	0	62
2058	288	363	100	0	0	0	0	0	0	0	0	63
2059	294	363	100	0	0	0	0	0	0	0	0	63
2060	301	363	100	0	0	0	0	0	0	0	0	64

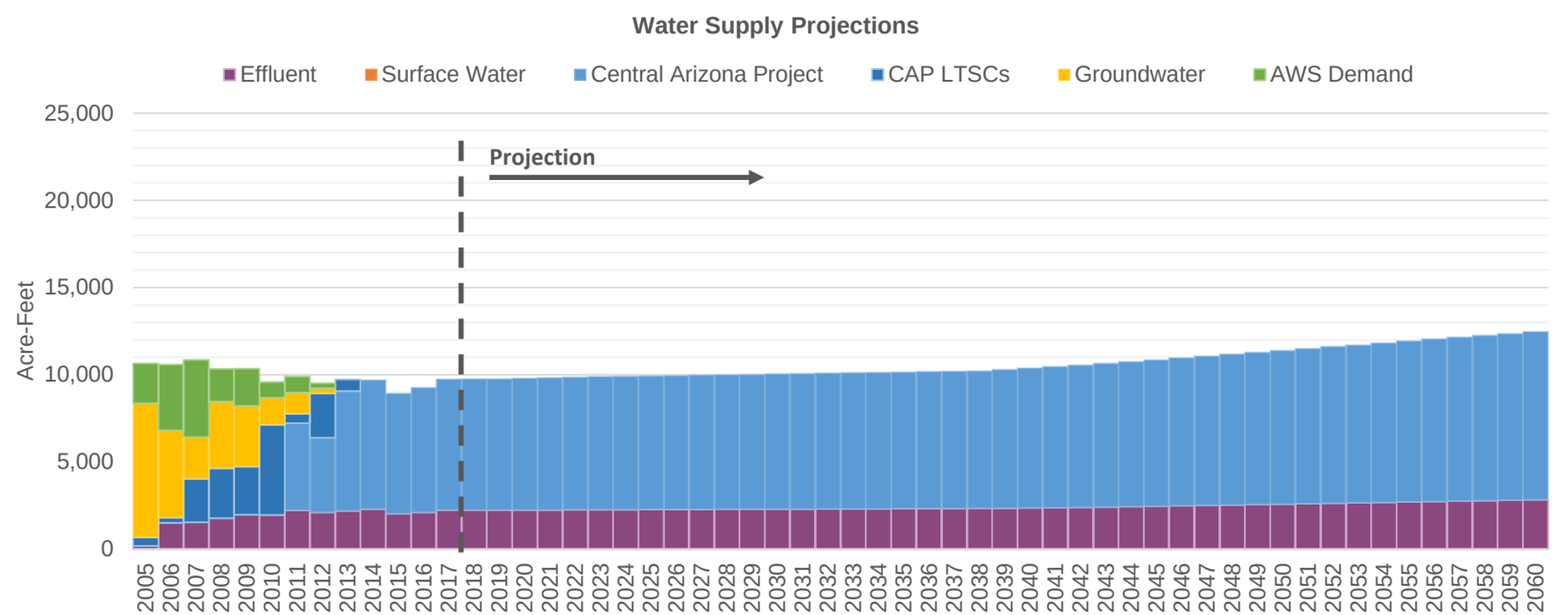
OroValley

Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

OroValley

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

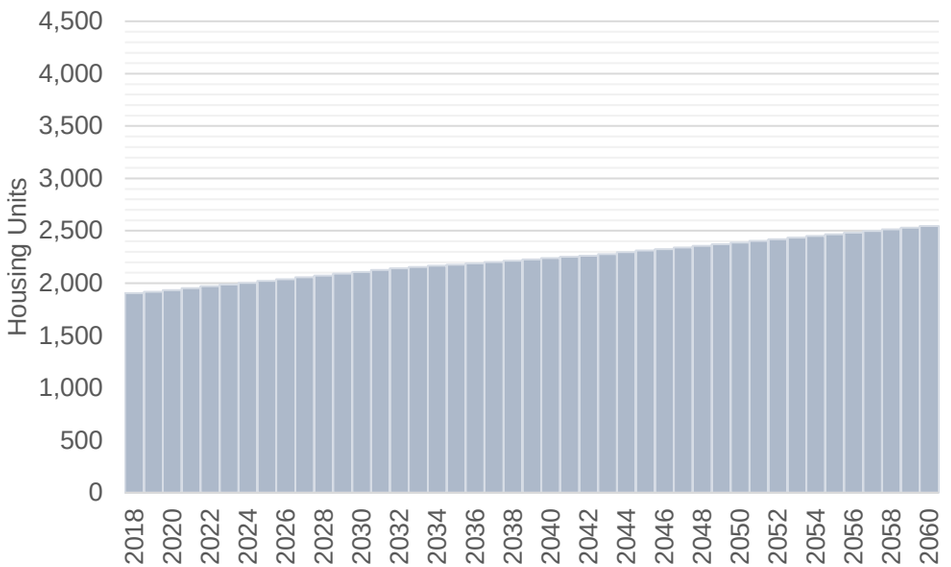
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	19,342	453	376	2,232	0	0	0	7,537	2,768	0	0	0
2019	19,581	449	375	2,232	0	0	0	7,535	2,770	0	0	0
2020	19,843	444	374	2,232	0	0	0	7,563	2,742	0	0	0
2021	20,119	442	373	2,238	0	0	0	7,592	2,713	0	0	0
2022	20,384	438	373	2,246	0	0	0	7,620	2,685	0	0	0
2023	20,613	435	372	2,254	0	0	0	7,639	2,666	0	0	0
2024	20,843	430	371	2,260	0	0	0	7,654	2,651	0	0	0
2025	21,074	428	370	2,265	0	0	0	7,667	2,638	0	0	0
2026	21,306	424	370	2,269	0	0	0	7,684	2,621	0	0	0
2027	21,538	421	369	2,274	0	0	0	7,700	2,605	0	0	0
2028	21,772	417	368	2,279	0	0	0	7,720	2,585	0	0	0
2029	22,007	414	367	2,284	0	0	0	7,734	2,571	0	0	0
2030	22,242	411	367	2,289	0	0	0	7,752	2,553	0	0	0
2031	22,477	408	366	2,294	0	0	0	7,771	2,534	0	0	0
2032	22,712	403	365	2,300	0	0	0	7,792	2,513	0	0	0
2033	22,942	401	365	2,306	0	0	0	7,805	2,500	0	0	0
2034	23,172	398	364	2,310	0	0	0	7,822	2,483	0	0	0
2035	23,401	395	363	2,315	0	0	0	7,839	2,466	0	0	0
2036	23,630	391	362	2,320	0	0	0	7,860	2,445	0	0	0
2037	23,858	389	362	2,326	0	0	0	7,871	2,434	0	0	0
2038	24,086	385	361	2,330	0	0	0	7,889	2,416	0	0	0
2039	24,313	385	360	2,335	0	0	0	7,956	2,349	0	0	0
2040	24,539	385	359	2,351	0	0	0	8,033	2,272	0	0	0
2041	24,764	385	359	2,373	0	0	0	8,092	2,213	0	0	0
2042	24,988	385	358	2,391	0	0	0	8,159	2,146	0	0	0
2043	25,251	385	357	2,411	0	0	0	8,233	2,072	0	0	0
2044	25,520	385	357	2,432	0	0	0	8,322	1,983	0	0	0
2045	25,787	385	357	2,457	0	0	0	8,397	1,908	0	0	0
2046	26,052	385	357	2,480	0	0	0	8,480	1,825	0	0	0
2047	26,314	385	357	2,504	0	0	0	8,562	1,743	0	0	0
2048	26,584	385	357	2,528	0	0	0	8,652	1,653	0	0	0
2049	26,858	385	357	2,554	0	0	0	8,727	1,578	0	0	0
2050	27,129	385	357	2,577	0	0	0	8,813	1,492	0	0	0
2051	27,398	385	357	2,602	0	0	0	8,896	1,409	0	0	0
2052	27,663	385	357	2,627	0	0	0	8,986	1,319	0	0	0
2053	27,936	385	357	2,653	0	0	0	9,059	1,246	0	0	0
2054	28,215	385	357	2,676	0	0	0	9,146	826	0	0	0
2055	28,491	385	357	2,701	0	0	0	9,232	25	0	0	0
2056	28,763	385	357	2,726	0	0	0	9,327	645	0	0	0
2057	29,032	385	357	2,754	0	0	0	9,397	575	0	0	0
2058	29,296	385	357	2,776	0	0	0	9,481	824	0	0	0
2059	29,556	385	357	2,801	0	0	0	9,561	744	0	0	0
2060	29,812	385	357	2,824	0	0	0	9,653	652	0	0	0

QuailCreek

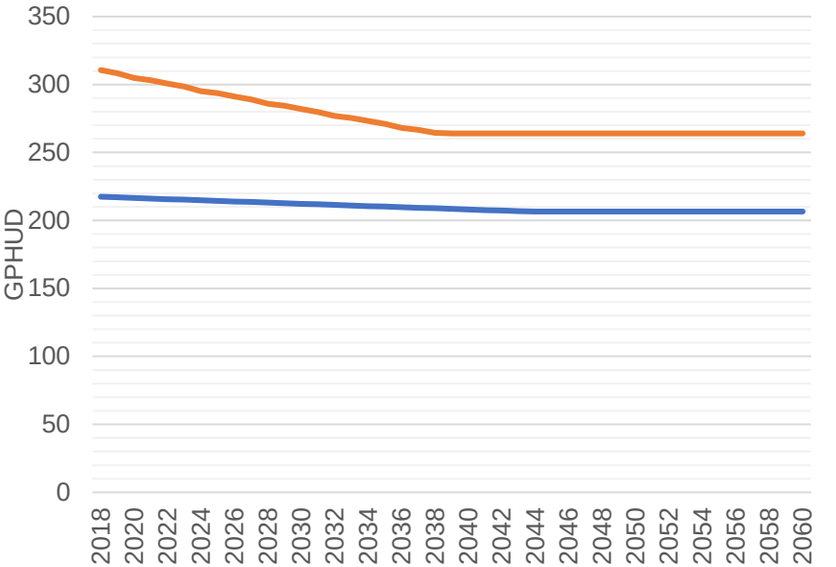
Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]

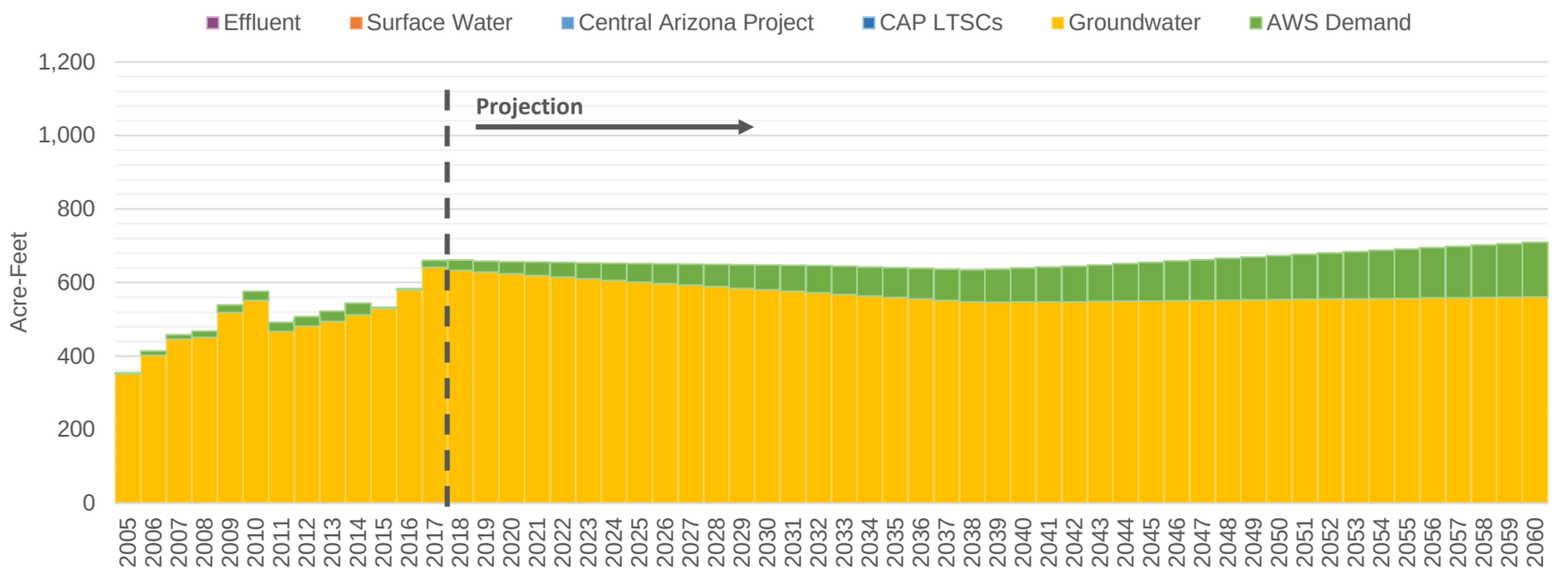
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

QuailCreek

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

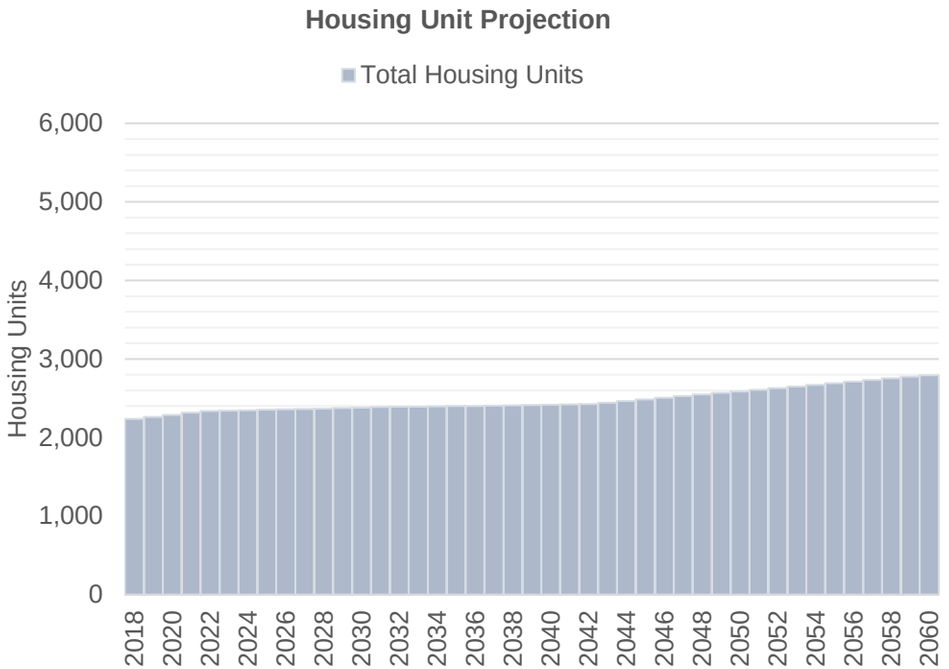
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

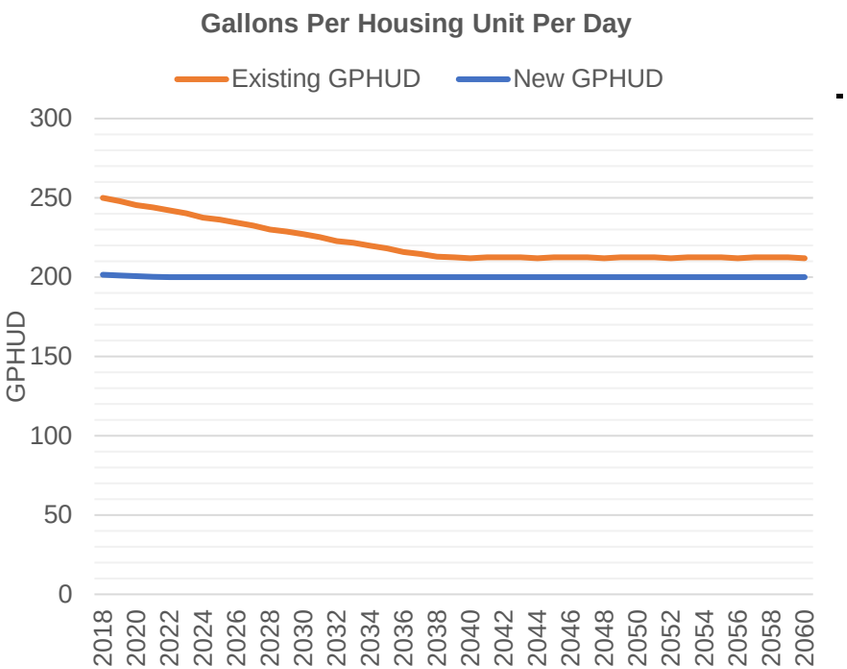
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,905	311	217	0	0	0	0	0	0	0	633	28
2019	1,919	308	217	0	0	0	0	0	0	0	628	30
2020	1,935	305	217	0	0	0	0	0	0	0	624	33
2021	1,952	303	216	0	0	0	0	0	0	0	619	37
2022	1,970	301	216	0	0	0	0	0	0	0	615	40
2023	1,987	298	215	0	0	0	0	0	0	0	610	44
2024	2,004	295	215	0	0	0	0	0	0	0	606	47
2025	2,021	294	214	0	0	0	0	0	0	0	601	51
2026	2,039	291	214	0	0	0	0	0	0	0	597	54
2027	2,056	289	214	0	0	0	0	0	0	0	593	57
2028	2,073	286	213	0	0	0	0	0	0	0	589	60
2029	2,090	284	213	0	0	0	0	0	0	0	584	64
2030	2,108	282	212	0	0	0	0	0	0	0	581	67
2031	2,125	280	212	0	0	0	0	0	0	0	576	70
2032	2,142	277	211	0	0	0	0	0	0	0	573	73
2033	2,154	275	211	0	0	0	0	0	0	0	568	77
2034	2,166	273	211	0	0	0	0	0	0	0	564	79
2035	2,178	271	210	0	0	0	0	0	0	0	559	81
2036	2,190	268	210	0	0	0	0	0	0	0	555	83
2037	2,202	267	209	0	0	0	0	0	0	0	551	86
2038	2,214	265	209	0	0	0	0	0	0	0	547	88
2039	2,227	264	208	0	0	0	0	0	0	0	547	90
2040	2,239	264	208	0	0	0	0	0	0	0	547	92
2041	2,251	264	208	0	0	0	0	0	0	0	547	95
2042	2,263	264	207	0	0	0	0	0	0	0	548	97
2043	2,279	264	207	0	0	0	0	0	0	0	549	99
2044	2,295	264	207	0	0	0	0	0	0	0	549	102
2045	2,311	264	207	0	0	0	0	0	0	0	550	105
2046	2,326	264	207	0	0	0	0	0	0	0	551	108
2047	2,341	264	207	0	0	0	0	0	0	0	551	111
2048	2,357	264	207	0	0	0	0	0	0	0	552	114
2049	2,373	264	207	0	0	0	0	0	0	0	553	116
2050	2,389	264	207	0	0	0	0	0	0	0	554	119
2051	2,404	264	207	0	0	0	0	0	0	0	554	122
2052	2,420	264	207	0	0	0	0	0	0	0	555	125
2053	2,436	264	207	0	0	0	0	0	0	0	556	128
2054	2,452	264	207	0	0	0	0	0	0	0	557	131
2055	2,468	264	207	0	0	0	0	0	0	0	557	134
2056	2,484	264	207	0	0	0	0	0	0	0	558	137
2057	2,499	264	207	0	0	0	0	0	0	0	559	140
2058	2,515	264	207	0	0	0	0	0	0	0	559	143
2059	2,530	264	207	0	0	0	0	0	0	0	560	146
2060	2,545	264	207	0	0	0	0	0	0	0	561	148

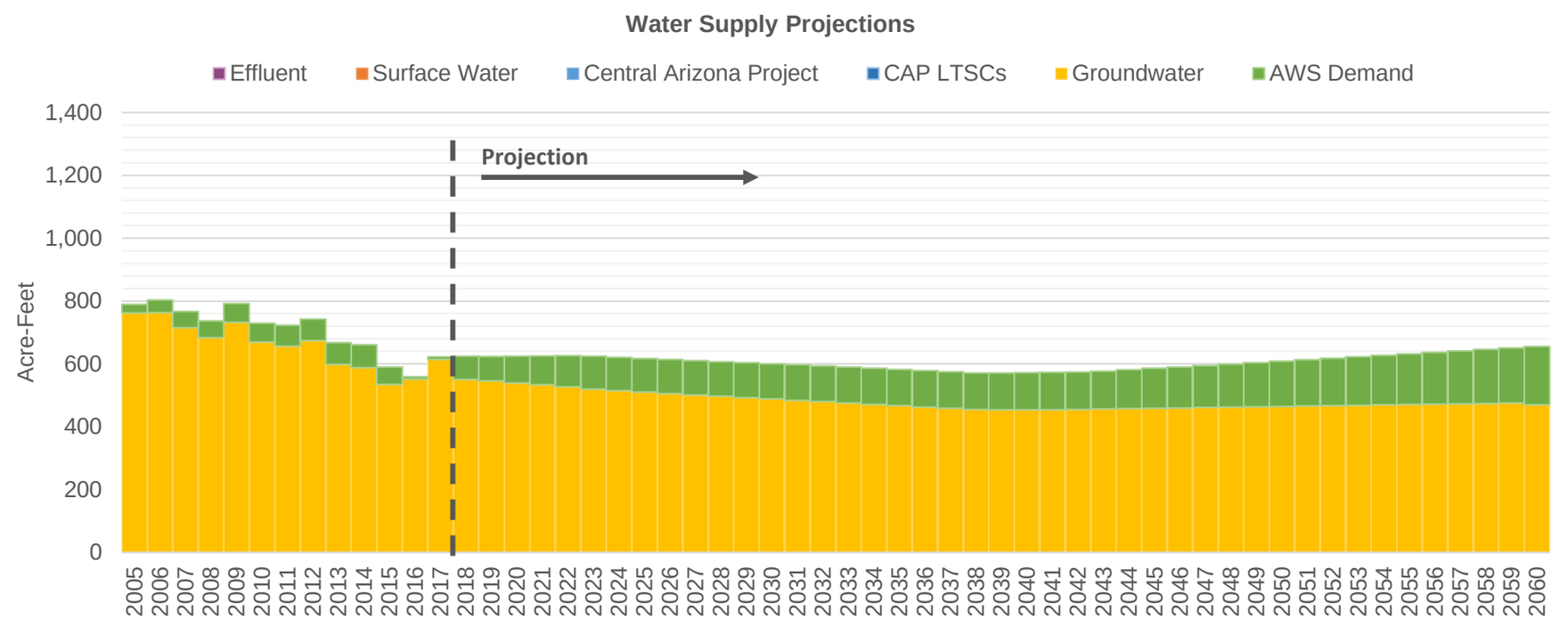
Central Arizona Project Service Area Model

RayWC

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

RayWC

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions

Water Supply Projections (Acre-Feet)

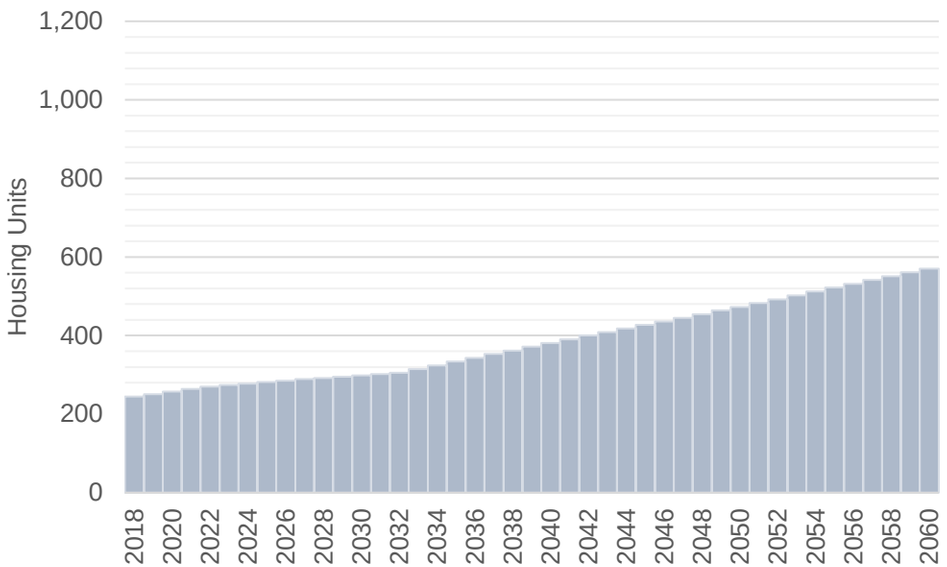
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	2,238	250	202	0	0	0	0	0	0	0	551	74
2019	2,263	248	201	0	0	0	0	0	0	0	546	78
2020	2,289	245	201	0	0	0	0	0	0	0	540	85
2021	2,316	244	200	0	0	0	0	0	0	0	533	92
2022	2,337	242	200	0	0	0	0	0	0	0	527	99
2023	2,343	240	200	0	0	0	0	0	0	0	520	104
2024	2,348	238	200	0	0	0	0	0	0	0	515	106
2025	2,354	236	200	0	0	0	0	0	0	0	510	107
2026	2,359	234	200	0	0	0	0	0	0	0	505	108
2027	2,365	233	200	0	0	0	0	0	0	0	501	109
2028	2,370	230	200	0	0	0	0	0	0	0	497	110
2029	2,376	229	200	0	0	0	0	0	0	0	493	111
2030	2,381	227	200	0	0	0	0	0	0	0	488	112
2031	2,387	225	200	0	0	0	0	0	0	0	484	113
2032	2,392	223	200	0	0	0	0	0	0	0	480	114
2033	2,395	222	200	0	0	0	0	0	0	0	475	115
2034	2,397	220	200	0	0	0	0	0	0	0	471	115
2035	2,400	218	200	0	0	0	0	0	0	0	467	115
2036	2,403	216	200	0	0	0	0	0	0	0	463	116
2037	2,405	215	200	0	0	0	0	0	0	0	459	116
2038	2,409	213	200	0	0	0	0	0	0	0	455	117
2039	2,413	212	200	0	0	0	0	0	0	0	454	117
2040	2,418	212	200	0	0	0	0	0	0	0	454	118
2041	2,422	212	200	0	0	0	0	0	0	0	454	119
2042	2,426	212	200	0	0	0	0	0	0	0	455	120
2043	2,445	212	200	0	0	0	0	0	0	0	456	120
2044	2,466	212	200	0	0	0	0	0	0	0	458	123
2045	2,486	212	200	0	0	0	0	0	0	0	459	127
2046	2,506	212	200	0	0	0	0	0	0	0	460	130
2047	2,526	212	200	0	0	0	0	0	0	0	461	134
2048	2,547	212	200	0	0	0	0	0	0	0	463	137
2049	2,568	212	200	0	0	0	0	0	0	0	464	140
2050	2,588	212	200	0	0	0	0	0	0	0	465	144
2051	2,609	212	200	0	0	0	0	0	0	0	466	147
2052	2,629	212	200	0	0	0	0	0	0	0	467	151
2053	2,650	212	200	0	0	0	0	0	0	0	468	154
2054	2,671	212	200	0	0	0	0	0	0	0	470	158
2055	2,692	212	200	0	0	0	0	0	0	0	471	161
2056	2,713	212	200	0	0	0	0	0	0	0	472	165
2057	2,734	212	200	0	0	0	0	0	0	0	473	168
2058	2,754	212	200	0	0	0	0	0	0	0	474	172
2059	2,774	212	200	0	0	0	0	0	0	0	475	175
2060	2,793	212	200	0	0	0	0	0	0	0	470	185

RidgeView

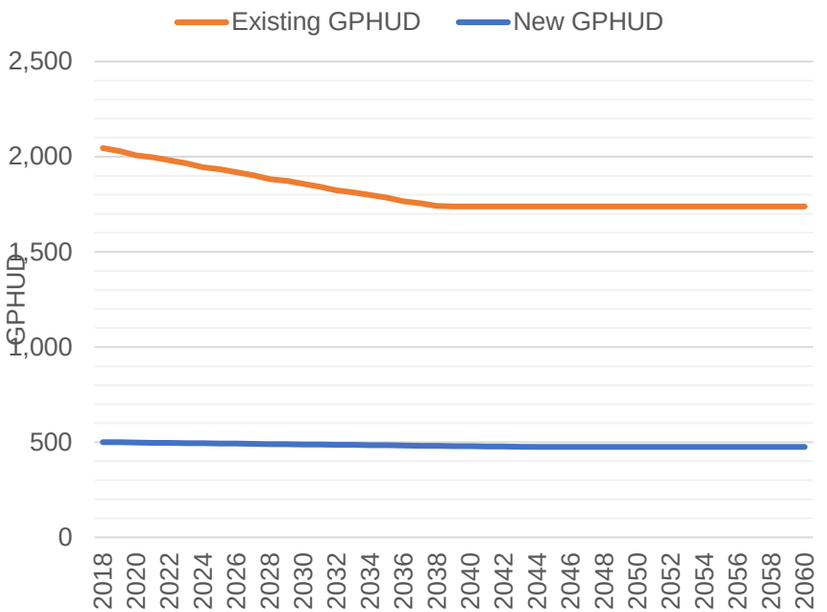
Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]

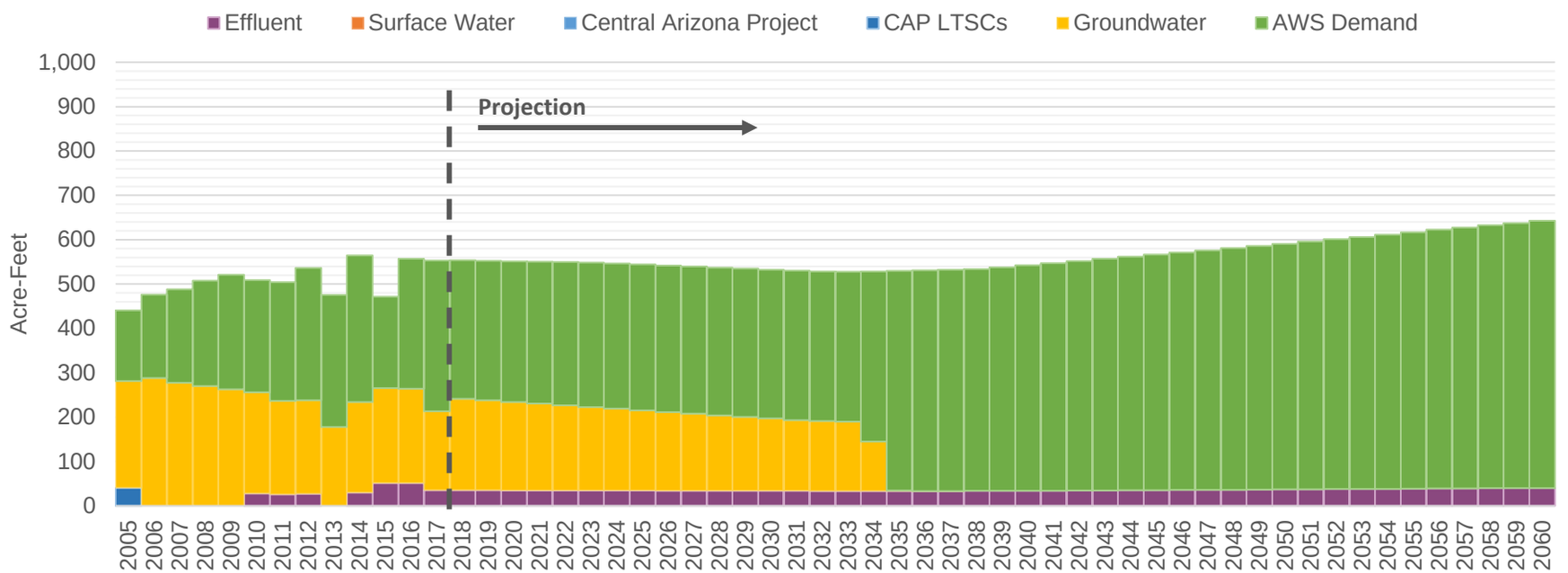
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

RidgeView

A. Official, Historic Climate [LSCRBS]

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Demand Assumptions

Water Supply Projections (Acre-Feet)

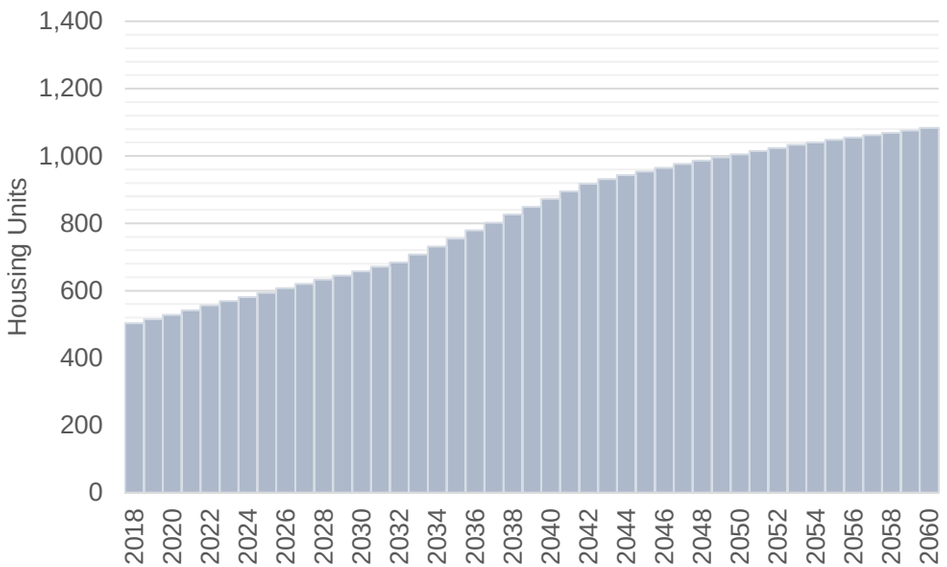
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	245	2,045	500	35	0	0	0	0	0	0	206	313
2019	251	2,029	499	35	0	0	0	0	0	0	203	314
2020	257	2,007	498	35	0	0	0	0	0	0	199	317
2021	264	1,997	497	35	0	0	0	0	0	0	196	320
2022	270	1,981	496	35	0	0	0	0	0	0	192	323
2023	274	1,965	495	35	0	0	0	0	0	0	188	326
2024	278	1,944	494	35	0	0	0	0	0	0	184	327
2025	282	1,934	493	35	0	0	0	0	0	0	181	329
2026	285	1,918	492	34	0	0	0	0	0	0	177	331
2027	289	1,903	491	34	0	0	0	0	0	0	174	332
2028	292	1,882	490	34	0	0	0	0	0	0	170	333
2029	295	1,872	489	34	0	0	0	0	0	0	166	334
2030	299	1,857	488	34	0	0	0	0	0	0	163	336
2031	302	1,843	487	34	0	0	0	0	0	0	160	337
2032	305	1.823	486	34	0	0	0	0	0	0	157	337
2033	315	1,813	485	33	0	0	0	0	0	0	157	337
2034	324	1,799	484	33	0	0	0	0	0	0	112	384
2035	334	1,784	483	33	0	0	0	0	0	0	1	495
2036	343	1,765	482	33	0	0	0	0	0	0	0	498
2037	353	1,756	481	34	0	0	0	0	0	0	0	499
2038	362	1,742	480	34	0	0	0	0	0	0	0	500
2039	372	1,739	479	34	0	0	0	0	0	0	0	504
2040	381	1,739	478	34	0	0	0	0	0	0	0	509
2041	390	1,739	477	34	0	0	0	0	0	0	0	513
2042	400	1,739	477	35	0	0	0	0	0	0	0	517
2043	409	1,739	476	35	0	0	0	0	0	0	0	522
2044	418	1,739	475	35	0	0	0	0	0	0	0	527
2045	427	1,739	475	35	0	0	0	0	0	0	0	531
2046	436	1,739	475	36	0	0	0	0	0	0	0	535
2047	445	1,739	475	36	0	0	0	0	0	0	0	540
2048	454	1,739	475	36	0	0	0	0	0	0	0	545
2049	464	1,739	475	37	0	0	0	0	0	0	0	549
2050	473	1,739	475	37	0	0	0	0	0	0	0	554
2051	483	1,739	475	37	0	0	0	0	0	0	0	559
2052	492	1,739	475	38	0	0	0	0	0	0	0	564
2053	502	1,739	475	38	0	0	0	0	0	0	0	568
2054	512	1,739	475	38	0	0	0	0	0	0	0	573
2055	522	1,739	475	39	0	0	0	0	0	0	0	578
2056	532	1,739	475	39	0	0	0	0	0	0	0	583
2057	542	1,739	475	39	0	0	0	0	0	0	0	588
2058	551	1,739	475	40	0	0	0	0	0	0	0	593
2059	561	1,739	475	40	0	0	0	0	0	0	0	598
2060	570	1,739	475	40	0	0	0	0	0	0	0	603

Central Arizona Project Service Area Model

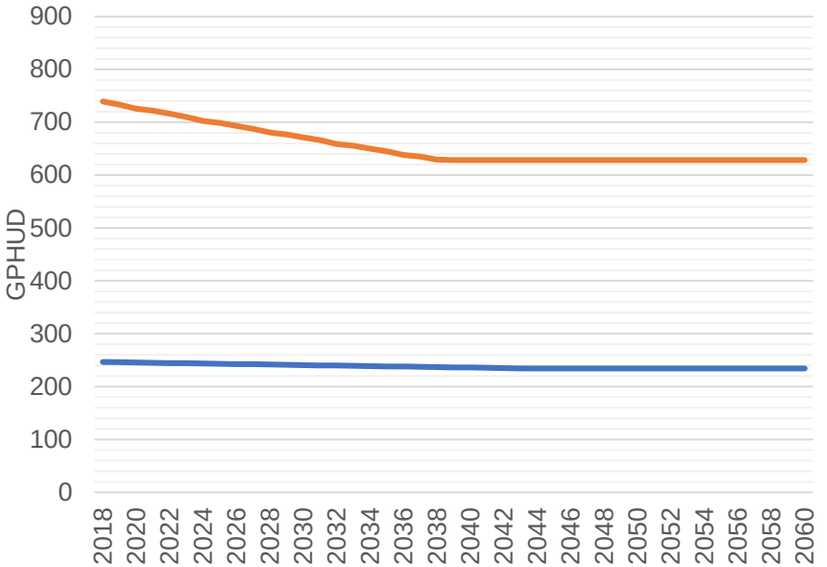
Saguaro

A. Official, Historic Climate [LSCRBS]

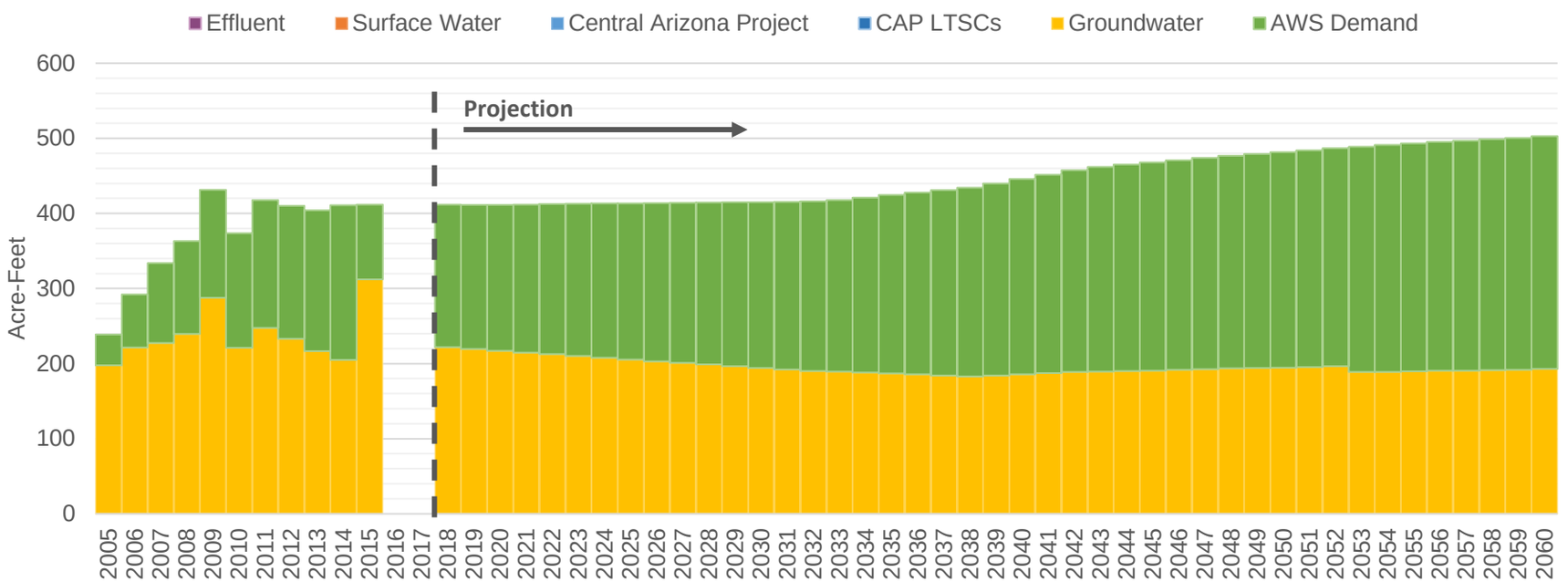
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

Saguaro

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

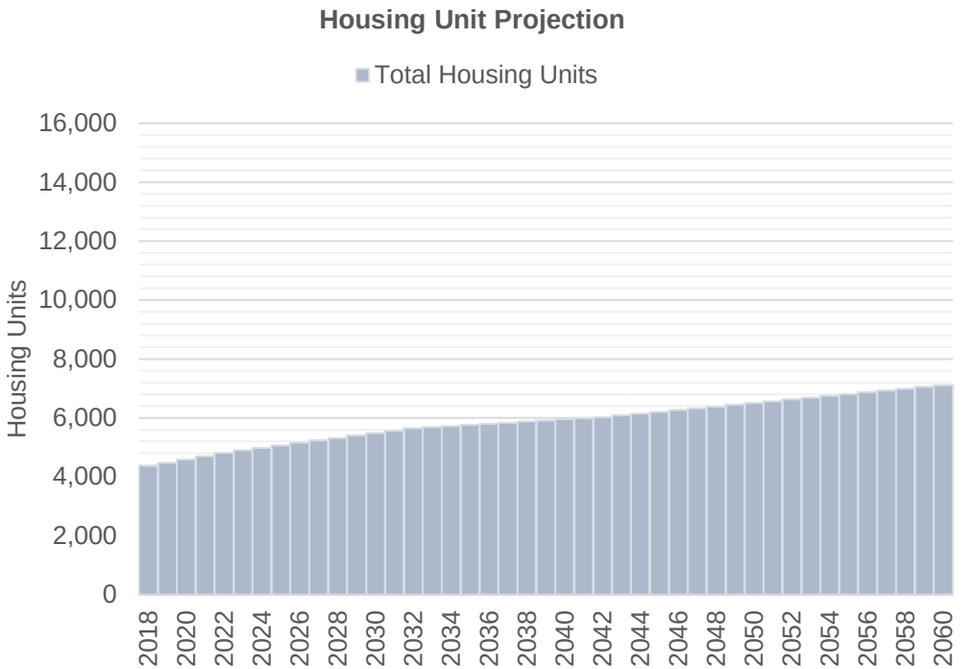
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

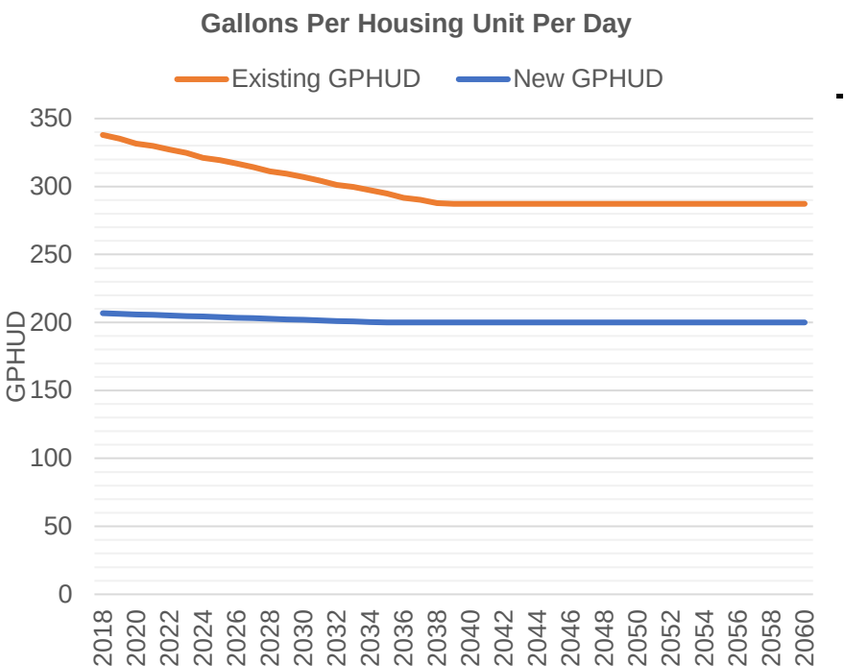
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	503	739	247	0	0	0	0	0	0	0	222	190
2019	515	733	246	0	0	0	0	0	0	0	220	192
2020	528	726	246	0	0	0	0	0	0	0	217	194
2021	542	722	245	0	0	0	0	0	0	0	215	197
2022	556	716	245	0	0	0	0	0	0	0	213	200
2023	569	710	244	0	0	0	0	0	0	0	210	203
2024	581	703	244	0	0	0	0	0	0	0	208	206
2025	594	699	243	0	0	0	0	0	0	0	205	208
2026	607	693	243	0	0	0	0	0	0	0	203	211
2027	620	688	242	0	0	0	0	0	0	0	201	213
2028	633	680	242	0	0	0	0	0	0	0	199	216
2029	645	677	241	0	0	0	0	0	0	0	196	218
2030	658	671	241	0	0	0	0	0	0	0	194	221
2031	671	666	240	0	0	0	0	0	0	0	192	223
2032	684	659	240	0	0	0	0	0	0	0	190	226
2033	708	655	239	0	0	0	0	0	0	0	190	228
2034	731	650	239	0	0	0	0	0	0	0	188	233
2035	755	645	238	0	0	0	0	0	0	0	187	237
2036	779	638	238	0	0	0	0	0	0	0	186	242
2037	802	635	237	0	0	0	0	0	0	0	184	247
2038	826	630	237	0	0	0	0	0	0	0	183	251
2039	849	628	236	0	0	0	0	0	0	0	184	256
2040	872	628	236	0	0	0	0	0	0	0	186	260
2041	895	628	235	0	0	0	0	0	0	0	187	264
2042	918	628	235	0	0	0	0	0	0	0	189	268
2043	931	628	235	0	0	0	0	0	0	0	189	273
2044	943	628	234	0	0	0	0	0	0	0	190	275
2045	954	628	234	0	0	0	0	0	0	0	191	277
2046	965	628	234	0	0	0	0	0	0	0	192	279
2047	976	628	234	0	0	0	0	0	0	0	193	281
2048	986	628	234	0	0	0	0	0	0	0	194	283
2049	996	628	234	0	0	0	0	0	0	0	194	285
2050	1,005	628	234	0	0	0	0	0	0	0	195	287
2051	1,015	628	234	0	0	0	0	0	0	0	196	289
2052	1,024	628	234	0	0	0	0	0	0	0	197	290
2053	1,033	628	234	0	0	0	0	0	0	0	189	300
2054	1,040	628	234	0	0	0	0	0	0	0	189	302
2055	1,048	628	234	0	0	0	0	0	0	0	190	303
2056	1,055	628	234	0	0	0	0	0	0	0	191	305
2057	1,062	628	234	0	0	0	0	0	0	0	191	306
2058	1,069	628	234	0	0	0	0	0	0	0	191	307
2059	1,076	628	234	0	0	0	0	0	0	0	192	309
2060	1,083	628	234	0	0	0	0	0	0	0	193	310

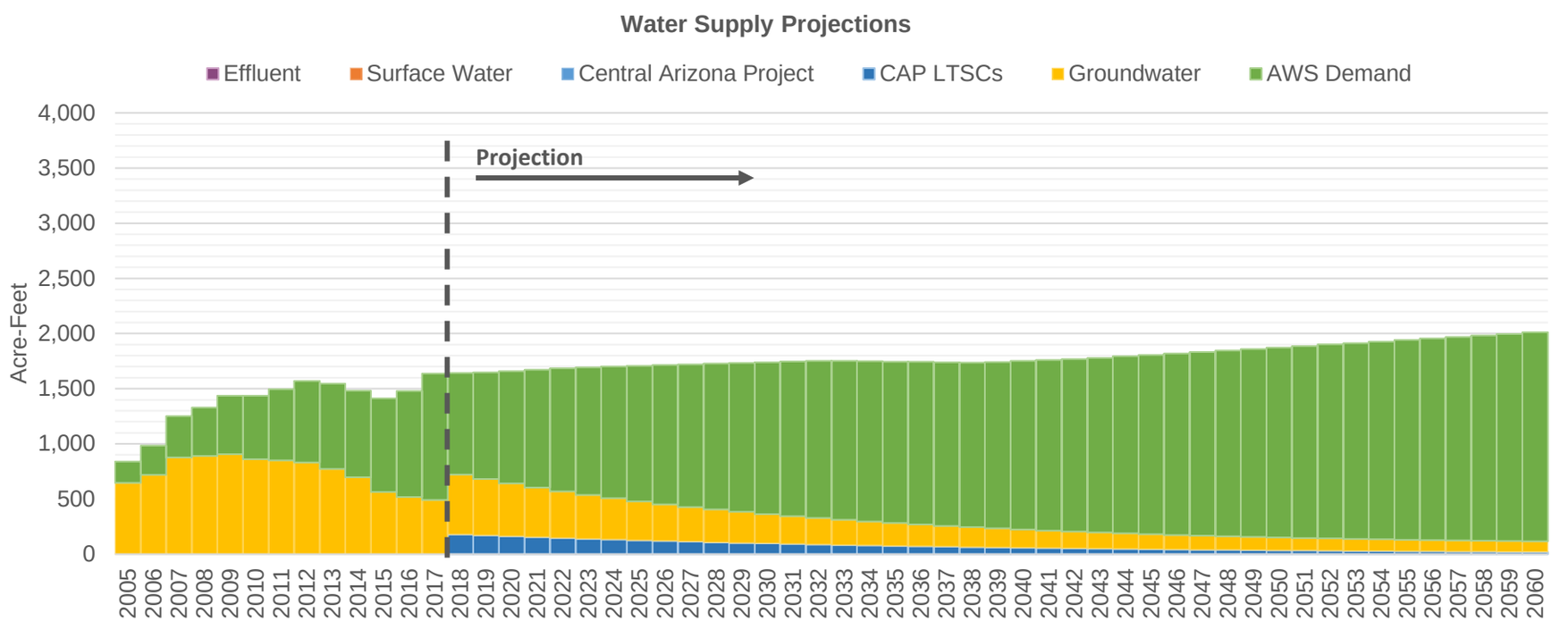
Central Arizona Project Service Area Model

Sahuarita

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

Sahuarita

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

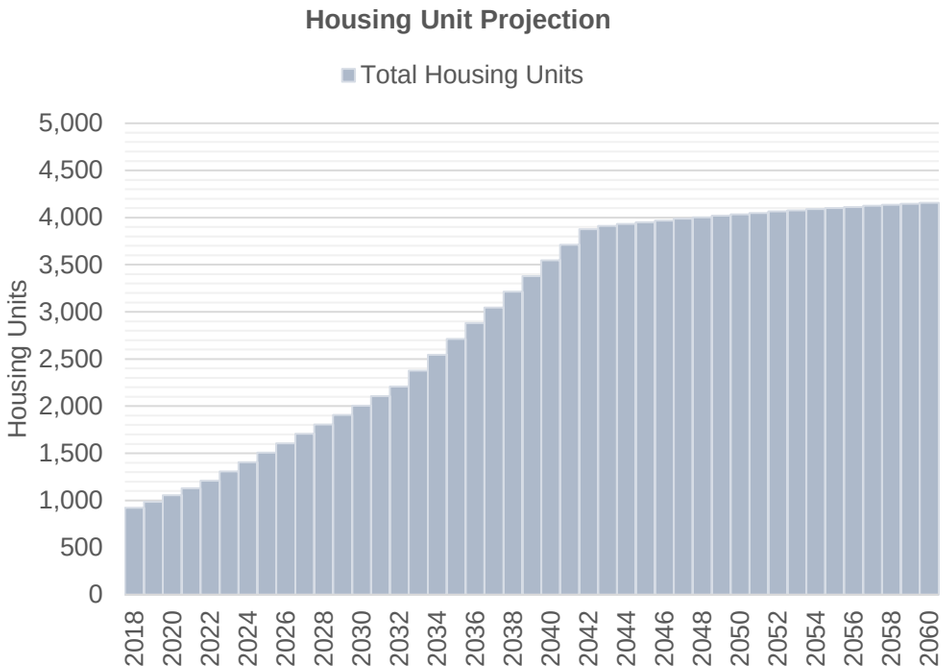
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

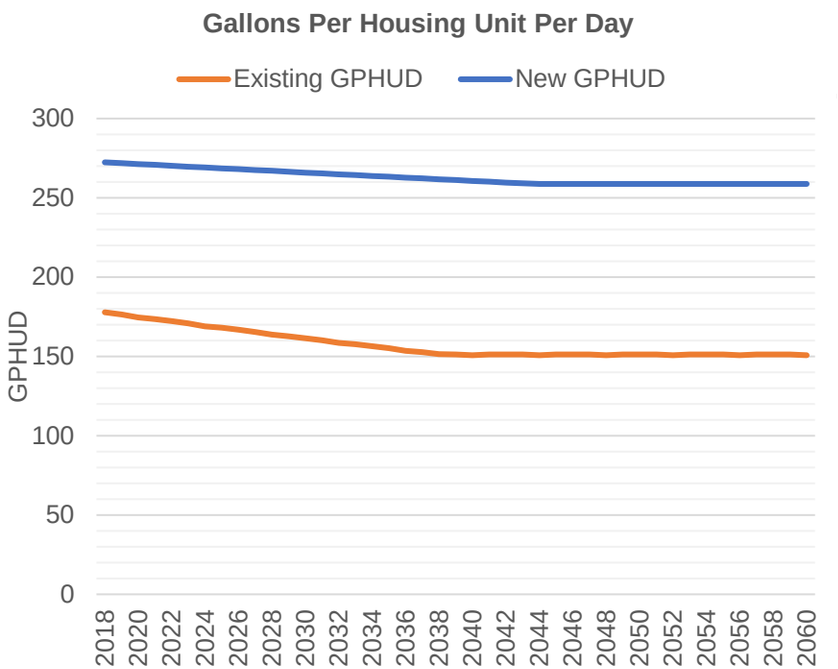
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,376	338	207	0	0	0	0	0	0	179	544	919
2019	4,478	335	206	0	0	0	0	0	0	171	510	967
2020	4,589	332	206	0	0	0	0	0	0	162	479	1,018
2021	4,705	330	206	0	0	0	0	0	0	154	450	1,068
2022	4,814	327	205	0	0	0	0	0	0	146	423	1,115
2023	4,898	325	205	0	0	0	0	0	0	139	398	1,157
2024	4,983	321	204	0	0	0	0	0	0	132	375	1,194
2025	5,069	319	204	0	0	0	0	0	0	125	354	1,228
2026	5,154	317	204	0	0	0	0	0	0	119	334	1,261
2027	5,239	314	203	0	0	0	0	0	0	113	315	1,293
2028	5,321	311	203	0	0	0	0	0	0	107	298	1,323
2029	5,403	309	202	0	0	0	0	0	0	102	282	1,349
2030	5,485	307	202	0	0	0	0	0	0	97	267	1,376
2031	5,567	304	201	0	0	0	0	0	0	92	253	1,400
2032	5.648	301	201	0	0	0	0	0	0	88	240	1.425
2033	5,685	300	201	0	0	0	0	0	0	83	228	1,441
2034	5,723	297	200	0	0	0	0	0	0	79	217	1,453
2035	5,760	295	200	0	0	0	0	0	0	75	207	1,463
2036	5,797	292	200	0	0	0	0	0	0	71	197	1,474
2037	5,834	290	200	0	0	0	0	0	0	68	188	1,483
2038	5,873	288	200	0	0	0	0	0	0	64	180	1,492
2039	5,912	287	200	0	0	0	0	0	0	61	172	1,509
2040	5,951	287	200	0	0	0	0	0	0	58	165	1,529
2041	5,990	287	200	0	0	0	0	0	0	55	158	1,546
2042	6,028	287	200	0	0	0	0	0	0	52	152	1,564
2043	6,089	287	200	0	0	0	0	0	0	50	147	1,583
2044	6,148	287	200	0	0	0	0	0	0	47	141	1,606
2045	6,206	287	200	0	0	0	0	0	0	45	136	1,625
2046	6,265	287	200	0	0	0	0	0	0	43	132	1,645
2047	6,322	287	200	0	0	0	0	0	0	41	128	1,664
2048	6,382	287	200	0	0	0	0	0	0	39	124	1,684
2049	6,444	287	200	0	0	0	0	0	0	37	120	1,702
2050	6,505	287	200	0	0	0	0	0	0	35	117	1,721
2051	6,565	287	200	0	0	0	0	0	0	33	114	1,739
2052	6,625	287	200	0	0	0	0	0	0	31	111	1,759
2053	6,686	287	200	0	0	0	0	0	0	30	109	1,775
2054	6,749	287	200	0	0	0	0	0	0	28	107	1,793
2055	6,812	287	200	0	0	0	0	0	0	27	104	1,810
2056	6,873	287	200	0	0	0	0	0	0	26	102	1,829
2057	6,934	287	200	0	0	0	0	0	0	24	101	1,844
2058	6,993	287	200	0	0	0	0	0	0	23	99	1,860
2059	7,052	287	200	0	0	0	0	0	0	22	98	1,876
2060	7,110	287	200	0	0	0	0	0	0	21	96	1,893

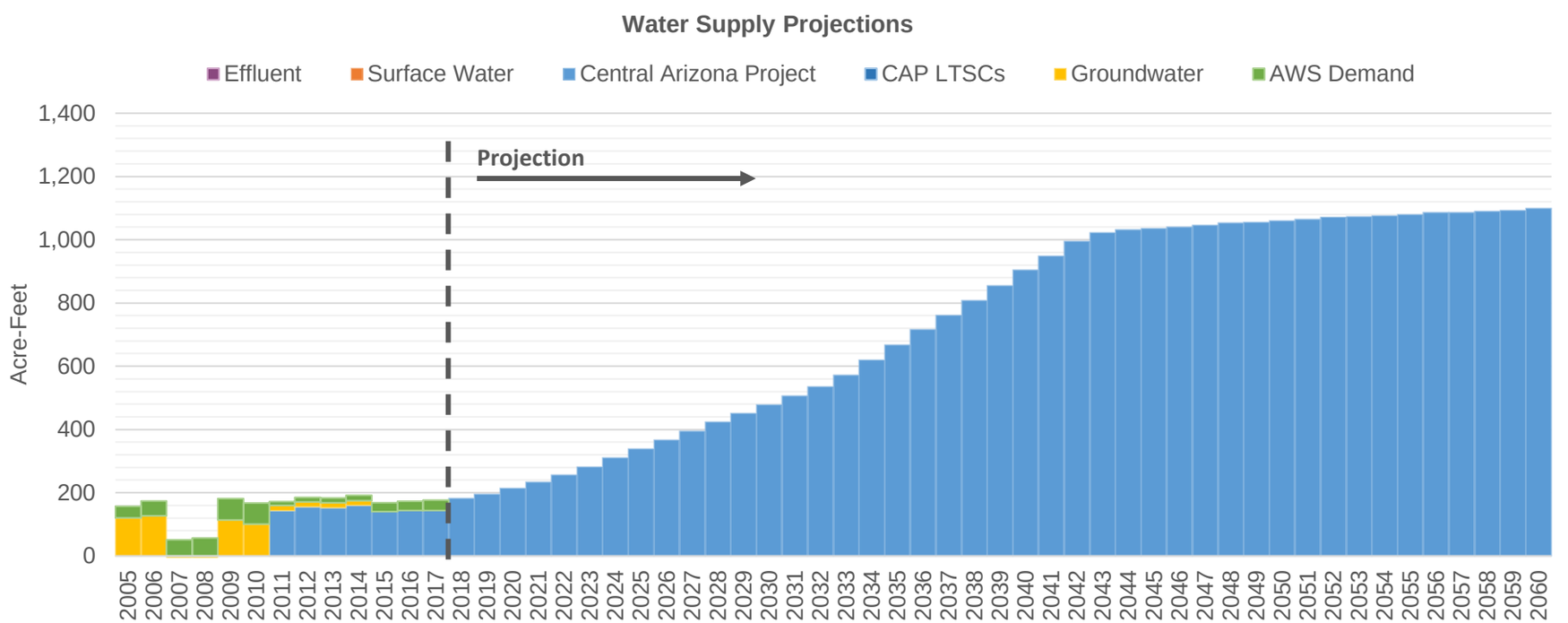
Central Arizona Project Service Area Model

SpanishTrailWC

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

SpanishTrailWC

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

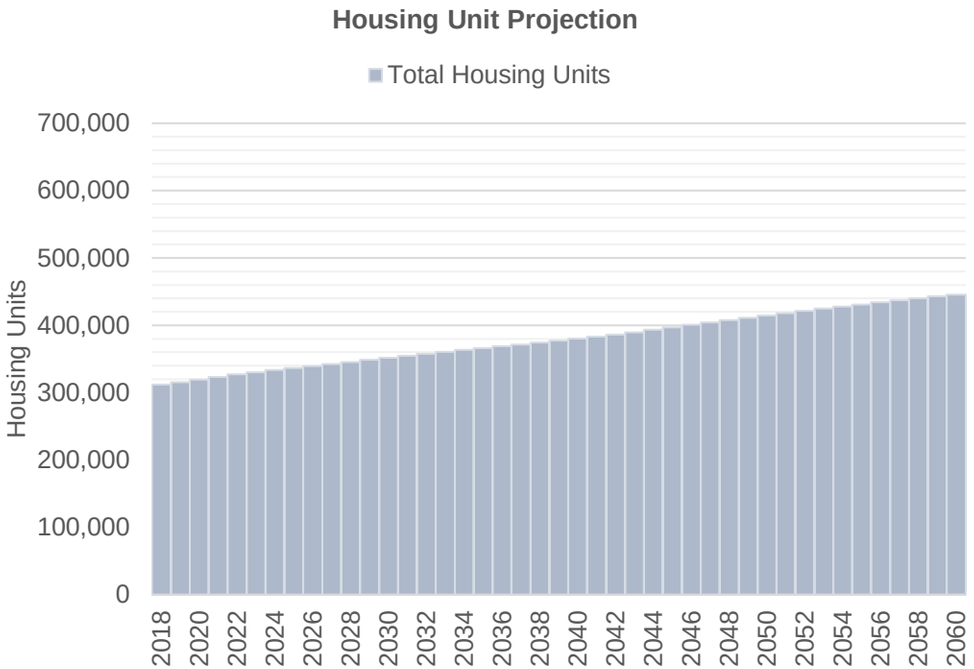
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

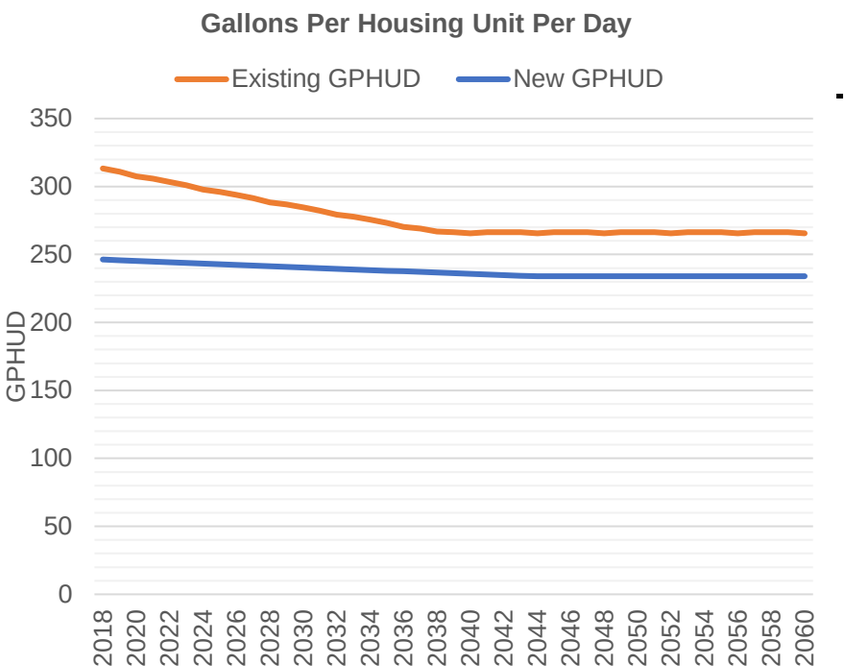
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	921	178	272	0	0	0	0	182	2,855	0	0	0
2019	984	176	272	0	0	0	0	195	2,842	0	0	0
2020	1,054	175	271	0	0	0	0	214	2,823	0	0	0
2021	1,127	174	271	0	0	0	0	234	2,803	0	0	0
2022	1,209	172	270	0	0	0	0	256	2,781	0	0	0
2023	1,307	171	270	0	0	0	0	282	2,755	0	0	0
2024	1,407	169	269	0	0	0	0	310	2,727	0	0	0
2025	1,507	168	269	0	0	0	0	338	2,699	0	0	0
2026	1,607	167	268	0	0	0	0	367	2,670	0	0	0
2027	1,707	165	268	0	0	0	0	395	2,642	0	0	0
2028	1,806	164	267	0	0	0	0	424	2,613	0	0	0
2029	1,906	163	266	0	0	0	0	451	2,586	0	0	0
2030	2,005	162	266	0	0	0	0	479	2,558	0	0	0
2031	2,105	160	265	0	0	0	0	506	2,531	0	0	0
2032	2,207	158	265	0	0	0	0	535	2,502	0	0	0
2033	2,376	158	264	0	0	0	0	572	2,465	0	0	0
2034	2,544	156	264	0	0	0	0	620	2,417	0	0	0
2035	2,712	155	263	0	0	0	0	667	2,370	0	0	0
2036	2,880	153	263	0	0	0	0	716	2,321	0	0	0
2037	3,047	153	262	0	0	0	0	761	2,276	0	0	0
2038	3,214	151	262	0	0	0	0	808	2,229	0	0	0
2039	3,380	151	261	0	0	0	0	855	2,182	0	0	0
2040	3,546	151	261	0	0	0	0	904	2,133	0	0	0
2041	3,711	151	260	0	0	0	0	949	2,088	0	0	0
2042	3,875	151	260	0	0	0	0	995	2,042	0	0	0
2043	3,913	151	259	0	0	0	0	1,023	2,014	0	0	0
2044	3,932	151	259	0	0	0	0	1,032	2,005	0	0	0
2045	3,951	151	259	0	0	0	0	1,035	2,002	0	0	0
2046	3,969	151	259	0	0	0	0	1,041	1,996	0	0	0
2047	3,987	151	259	0	0	0	0	1,046	1,991	0	0	0
2048	4,004	151	259	0	0	0	0	1,054	1,983	0	0	0
2049	4,019	151	259	0	0	0	0	1,056	1,981	0	0	0
2050	4,034	151	259	0	0	0	0	1,060	1,977	0	0	0
2051	4,049	151	259	0	0	0	0	1,064	1,973	0	0	0
2052	4,064	151	259	0	0	0	0	1,071	1,966	0	0	0
2053	4,077	151	259	0	0	0	0	1,073	1,964	0	0	0
2054	4,089	151	259	0	0	0	0	1,076	1,862	0	0	0
2055	4,101	151	259	0	0	0	0	1,080	1,648	0	0	0
2056	4,113	151	259	0	0	0	0	1,086	1,853	0	0	0
2057	4,124	151	259	0	0	0	0	1,087	1,852	0	0	0
2058	4,135	151	259	0	0	0	0	1,090	1,947	0	0	0
2059	4,147	151	259	0	0	0	0	1,093	1,944	0	0	0
2060	4,157	151	259	0	0	0	0	1,099	1,938	0	0	0

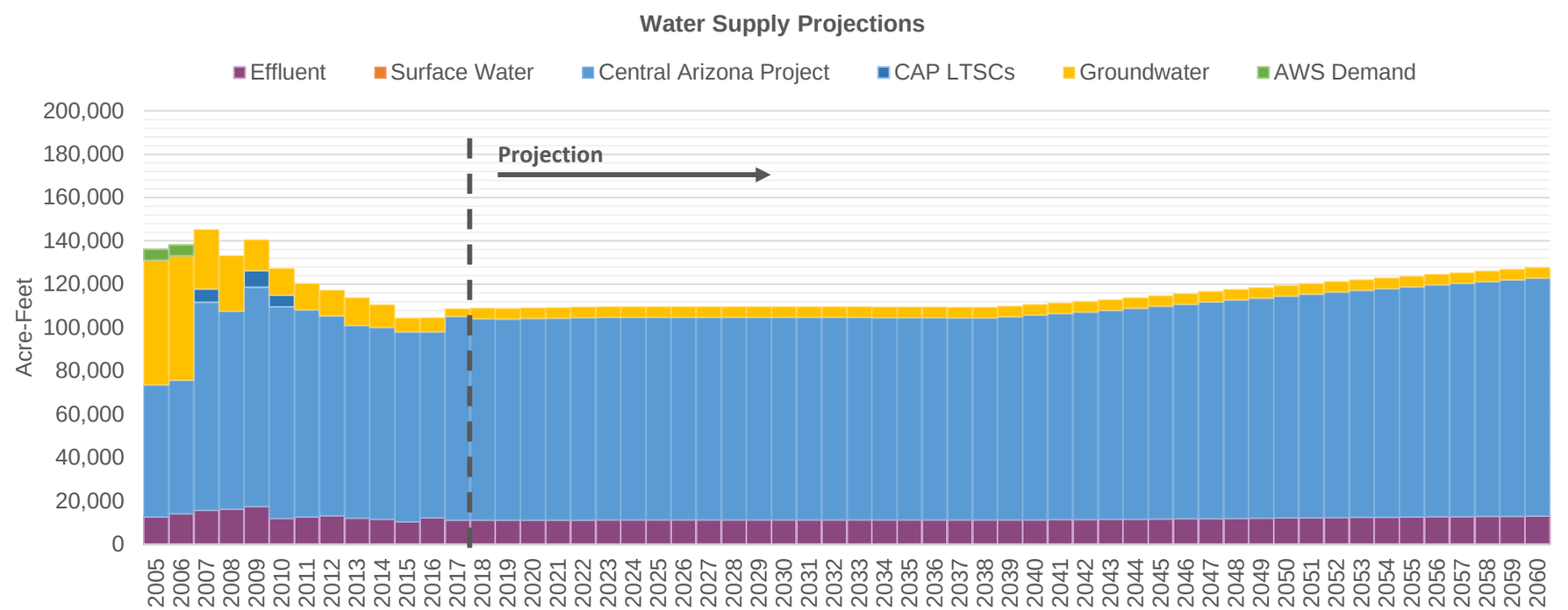
Tucson

Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

Tucson

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

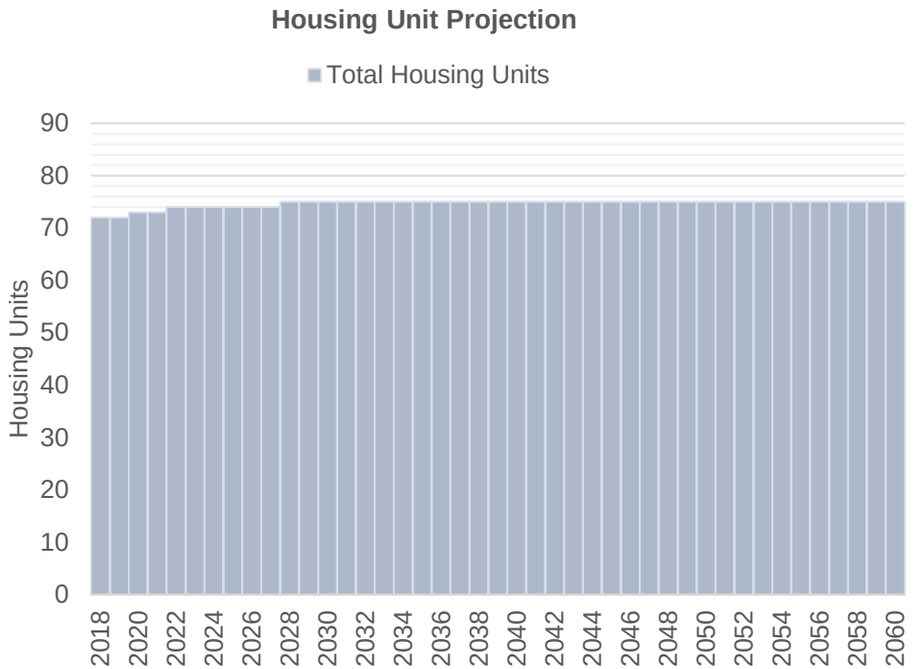
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

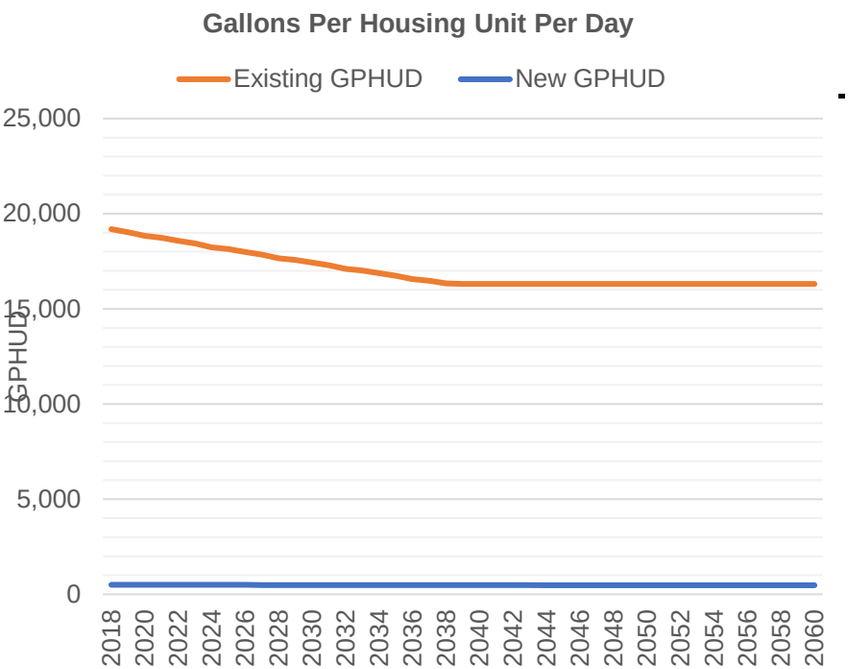
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	311,886	313	246	11,236	0	0	0	92,867	51,305	0	4,951	0
2019	315,484	311	246	11,236	0	0	0	92,751	51,421	0	4,951	0
2020	319,407	307	245	11,224	0	0	0	92,936	51,236	0	4,951	0
2021	323,534	306	245	11,242	0	0	0	93,156	51,016	0	4,951	0
2022	327,386	303	244	11,266	0	0	0	93,368	50,804	0	4,951	0
2023	330,416	301	244	11,291	0	0	0	93,432	50,740	0	4,951	0
2024	333,467	298	243	11,300	0	0	0	93,422	50,750	0	4,951	0
2025	336,525	296	243	11,300	0	0	0	93,395	50,777	0	4,951	0
2026	339,590	294	242	11,297	0	0	0	93,393	50,779	0	4,951	0
2027	342,656	291	242	11,296	0	0	0	93,393	50,779	0	4,951	0
2028	345,692	288	241	11,296	0	0	0	93,417	50,755	0	4,951	0
2029	348,735	287	241	11,299	0	0	0	93,388	50,784	0	4,951	0
2030	351,781	285	240	11,296	0	0	0	93,394	50,778	0	4,951	0
2031	354,829	282	240	11,296	0	0	0	93,401	50,771	0	4,951	0
2032	357,867	279	240	11,297	0	0	0	93,443	50,729	0	4,951	0
2033	360,641	278	239	11,302	0	0	0	93,380	50,792	0	4,951	0
2034	363,412	276	239	11,296	0	0	0	93,329	50,843	0	4,951	0
2035	366,179	273	238	11,290	0	0	0	93,280	50,892	0	4,951	0
2036	368,939	270	238	11,284	0	0	0	93,274	50,898	0	4,951	0
2037	371,692	269	237	11,283	0	0	0	93,182	50,990	0	4,951	0
2038	374,572	267	237	11,273	0	0	0	93,159	51,013	0	4,951	0
2039	377,442	266	236	11,270	0	0	0	93,716	50,456	0	4,951	0
2040	380,298	266	236	11,327	0	0	0	94,430	49,742	0	4,951	0
2041	383,141	266	235	11,406	0	0	0	95,015	49,157	0	4,951	0
2042	385,967	266	235	11,475	0	0	0	95,654	48,518	0	4,951	0
2043	389,602	266	234	11,548	0	0	0	96,390	47,782	0	4,951	0
2044	393,326	266	234	11,631	0	0	0	97,304	46,868	0	4,951	0
2045	397,022	266	234	11,734	0	0	0	98,115	46,057	0	4,951	0
2046	400,689	266	234	11,828	0	0	0	98,986	45,186	0	4,951	0
2047	404,325	266	234	11,927	0	0	0	99,844	44,328	0	4,951	0
2048	407,872	266	234	12,026	0	0	0	100,755	43,417	0	4,951	0
2049	411,341	266	234	12,130	0	0	0	101,502	42,670	0	4,951	0
2050	414,774	266	234	12,218	0	0	0	102,319	41,853	0	4,951	0
2051	418,170	266	234	12,311	0	0	0	103,120	41,052	0	4,951	0
2052	421,527	266	234	12,403	0	0	0	103,992	40,180	0	4,951	0
2053	424,770	266	234	12,503	0	0	0	104,679	39,493	0	4,951	0
2054	427,898	266	234	12,584	0	0	0	105,433	34,081	0	4,951	0
2055	430,986	266	234	12,670	0	0	0	106,162	23,350	0	4,951	0
2056	434,031	266	234	12,753	0	0	0	106,970	32,544	0	4,951	0
2057	437,032	266	234	12,845	0	0	0	107,582	31,931	0	4,951	0
2058	439,989	266	234	12,918	0	0	0	108,290	35,882	0	4,951	0
2059	442,901	266	234	12,998	0	0	0	108,979	35,193	0	4,951	0
2060	445,766	266	234	13,078	0	0	0	109,753	34,419	0	4,951	0

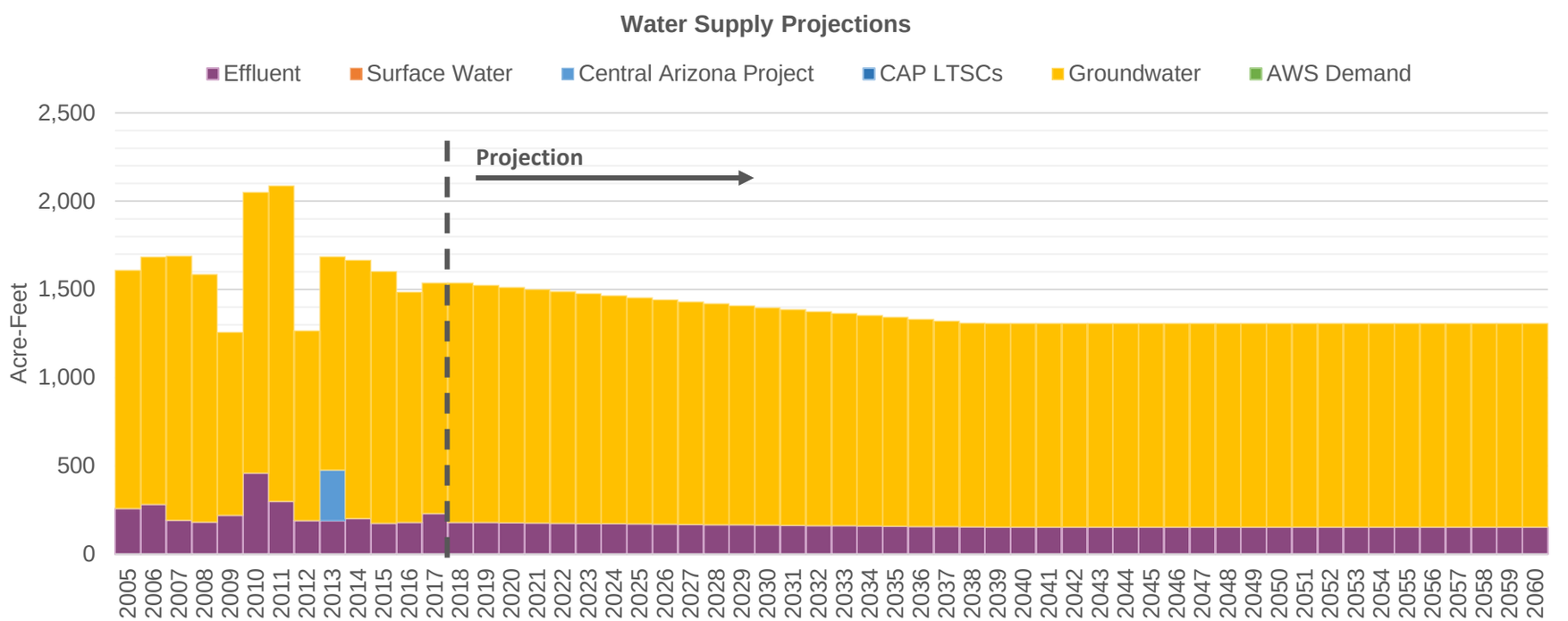
UniversityofAZ

Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

UniversityofAZ

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions

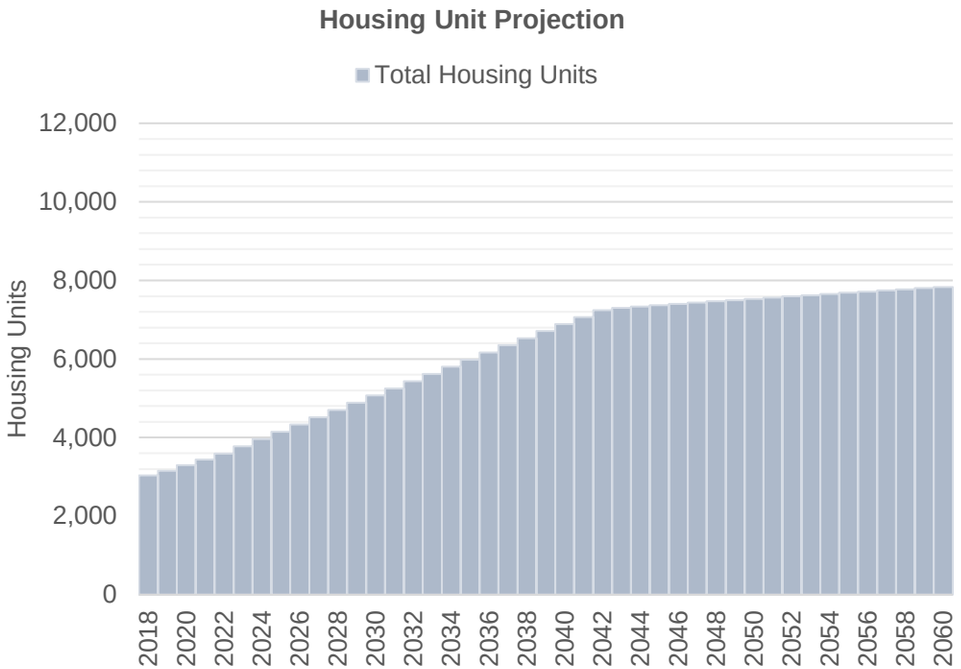
Water Supply Projections (Acre-Feet)

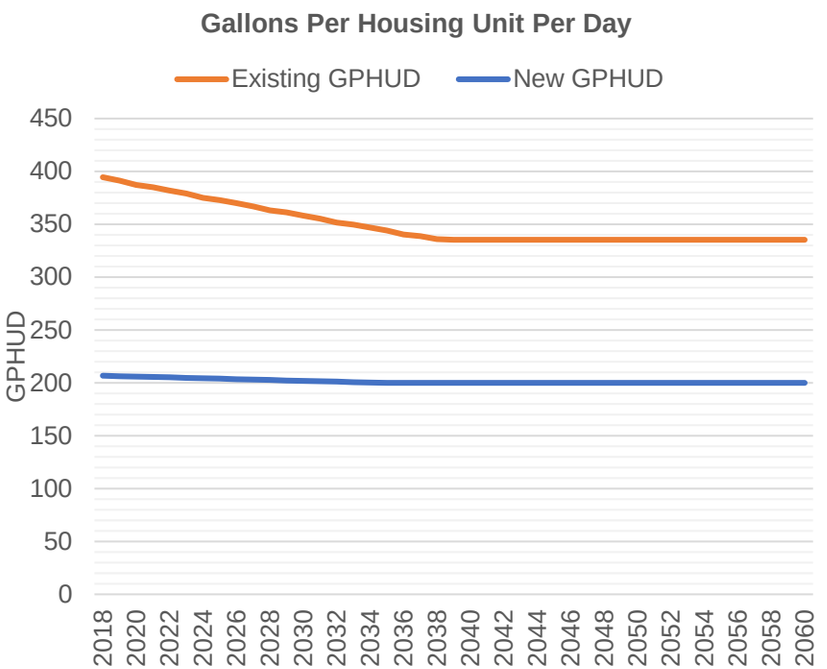
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	72	19,189	500	180	0	0	0	0	0	0	1,356	0
2019	72	19,035	499	180	0	0	0	0	0	0	1,344	0
2020	73	18,831	498	179	0	0	0	0	0	0	1,334	0
2021	73	18,732	497	177	0	0	0	0	0	0	1,323	0
2022	74	18,582	496	176	0	0	0	0	0	0	1,313	0
2023	74	18,433	495	174	0	0	0	0	0	0	1,303	0
2024	74	18,236	494	173	0	0	0	0	0	0	1,292	0
2025	74	18,139	493	172	0	0	0	0	0	0	1,282	0
2026	74	17,994	492	170	0	0	0	0	0	0	1,272	0
2027	74	17,850	491	169	0	0	0	0	0	0	1,261	0
2028	75	17,659	490	168	0	0	0	0	0	0	1,252	0
2029	75	17,566	489	166	0	0	0	0	0	0	1,242	0
2030	75	17,425	488	165	0	0	0	0	0	0	1,232	0
2031	75	17,286	487	164	0	0	0	0	0	0	1,222	0
2032	75	17,101	486	162	0	0	0	0	0	0	1,213	0
2033	75	17,011	485	161	0	0	0	0	0	0	1,203	0
2034	75	16,874	484	160	0	0	0	0	0	0	1,193	0
2035	75	16,739	483	159	0	0	0	0	0	0	1,183	0
2036	75	16,560	482	157	0	0	0	0	0	0	1,174	0
2037	75	16,473	481	156	0	0	0	0	0	0	1,165	0
2038	75	16,341	480	155	0	0	0	0	0	0	1,155	0
2039	75	16,310	479	153	0	0	0	0	0	0	1,155	0
2040	75	16,310	478	153	0	0	0	0	0	0	1,155	0
2041	75	16,310	477	153	0	0	0	0	0	0	1,154	0
2042	75	16,310	477	153	0	0	0	0	0	0	1,154	0
2043	75	16,310	476	153	0	0	0	0	0	0	1,154	0
2044	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2045	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2046	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2047	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2048	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2049	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2050	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2051	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2052	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2053	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2054	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2055	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2056	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2057	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2058	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2059	75	16,310	475	153	0	0	0	0	0	0	1,154	0
2060	75	16,310	475	153	0	0	0	0	0	0	1,154	0

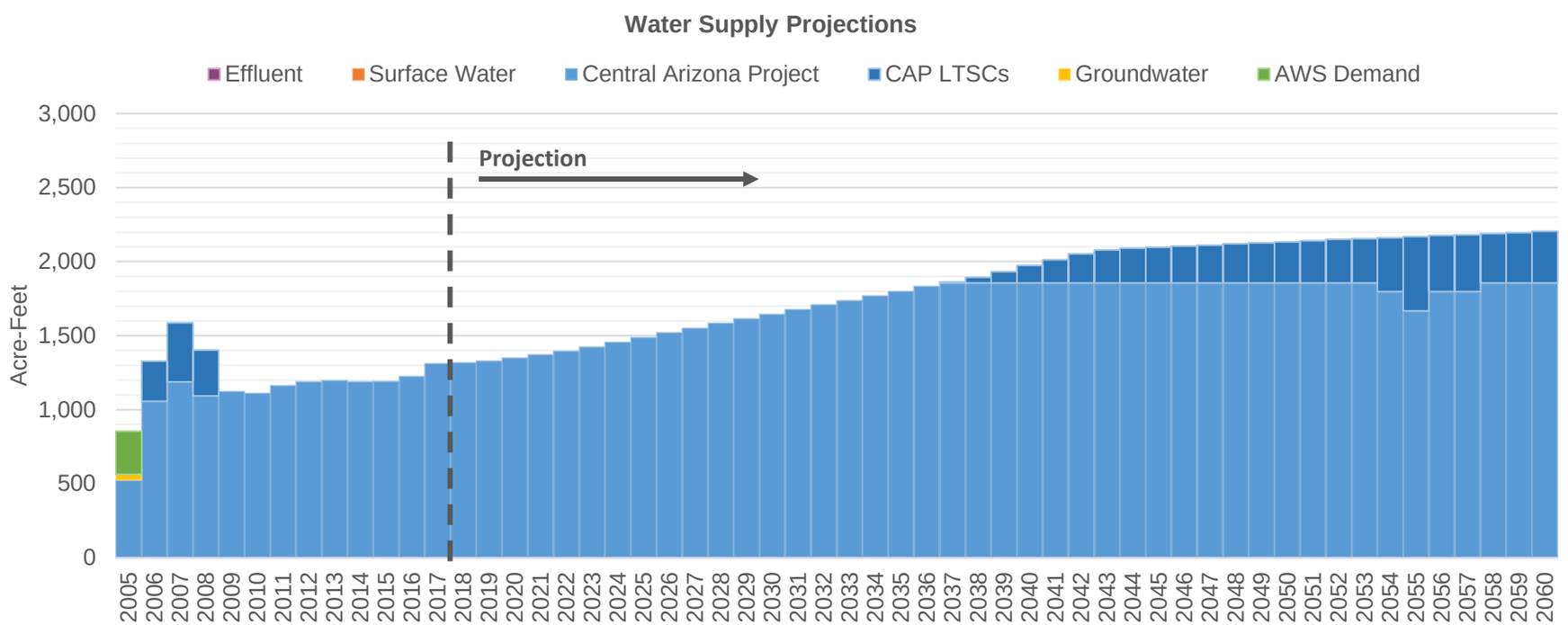
VailWC

Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

VailWC

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

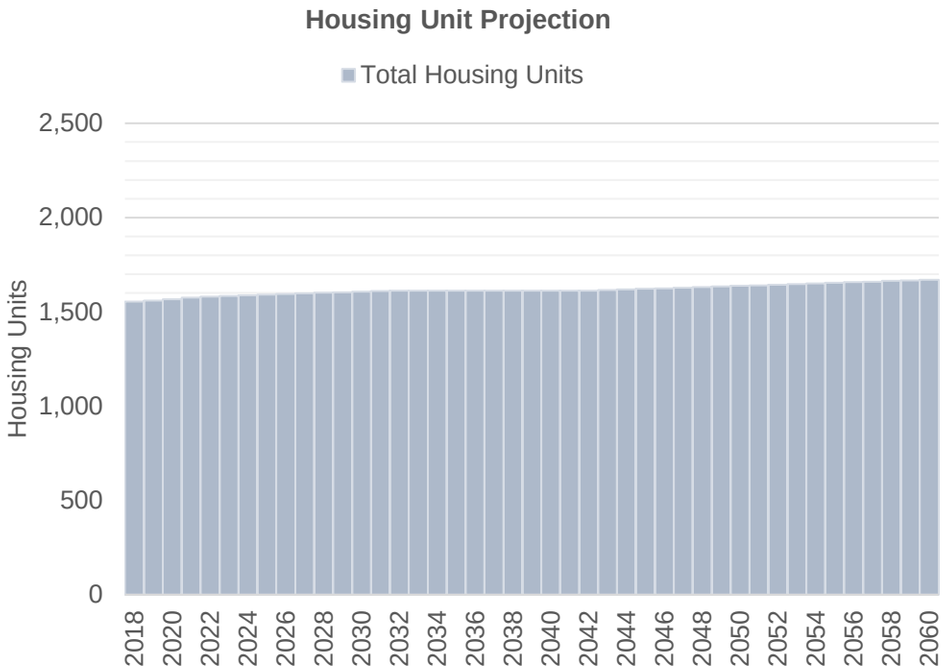
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

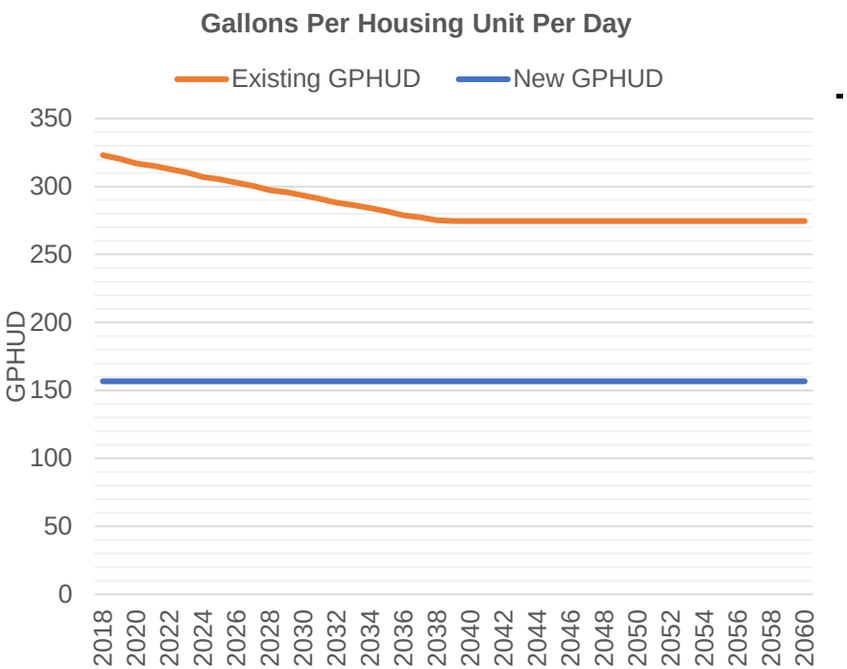
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,033	395	207	0	0	0	0	1,319	538	0	0	0
2019	3,157	391	206	0	0	0	0	1,330	527	0	0	0
2020	3,294	387	206	0	0	0	0	1,350	507	0	0	0
2021	3,438	385	206	0	0	0	0	1,372	485	0	0	0
2022	3,595	382	205	0	0	0	0	1,396	461	0	0	0
2023	3,778	379	205	0	0	0	0	1,425	432	0	0	0
2024	3,963	375	204	0	0	0	0	1,457	400	0	0	0
2025	4,147	373	204	0	0	0	0	1,488	369	0	0	0
2026	4,333	370	204	0	0	0	0	1,520	337	0	0	0
2027	4,518	367	203	0	0	0	0	1,552	305	0	0	0
2028	4,701	363	203	0	0	0	0	1,584	273	0	0	0
2029	4,885	361	202	0	0	0	0	1,614	243	0	0	0
2030	5,069	358	202	0	0	0	0	1,645	212	0	0	0
2031	5,253	355	201	0	0	0	0	1,677	180	0	0	0
2032	5.437	352	201	0	0	0	0	1.709	148	0	0	0
2033	5,620	350	201	0	0	0	0	1,738	119	0	0	0
2034	5,803	347	200	0	0	0	0	1,769	88	0	0	0
2035	5,985	344	200	0	0	0	0	1,800	57	0	0	0
2036	6,167	340	200	0	0	0	0	1,833	24	0	0	0
2037	6,348	339	200	0	0	0	0	1,857	0	6	0	0
2038	6,529	336	200	0	0	0	0	1,857	0	37	0	0
2039	6,709	335	200	0	0	0	0	1,857	0	76	0	0
2040	6,888	335	200	0	0	0	0	1,857	0	118	0	0
2041	7,067	335	200	0	0	0	0	1,857	0	156	0	0
2042	7,244	335	200	0	0	0	0	1,857	0	196	0	0
2043	7,299	335	200	0	0	0	0	1,857	0	222	0	0
2044	7,333	335	200	0	0	0	0	1,857	0	235	0	0
2045	7,367	335	200	0	0	0	0	1,857	0	240	0	0
2046	7,400	335	200	0	0	0	0	1,857	0	247	0	0
2047	7,433	335	200	0	0	0	0	1,857	0	254	0	0
2048	7,466	335	200	0	0	0	0	1,857	0	265	0	0
2049	7,498	335	200	0	0	0	0	1,857	0	269	0	0
2050	7,530	335	200	0	0	0	0	1,857	0	276	0	0
2051	7,561	335	200	0	0	0	0	1,857	0	283	0	0
2052	7,593	335	200	0	0	0	0	1,857	0	293	0	0
2053	7,624	335	200	0	0	0	0	1,857	0	297	0	0
2054	7,655	335	200	0	0	0	0	1,797	0	364	0	0
2055	7,686	335	200	0	0	0	0	1,668	0	500	0	0
2056	7,716	335	200	0	0	0	0	1,797	0	381	0	0
2057	7,746	335	200	0	0	0	0	1,797	0	385	0	0
2058	7,776	335	200	0	0	0	0	1,857	0	332	0	0
2059	7,805	335	200	0	0	0	0	1,857	0	338	0	0
2060	7,834	335	200	0	0	0	0	1,857	0	348	0	0

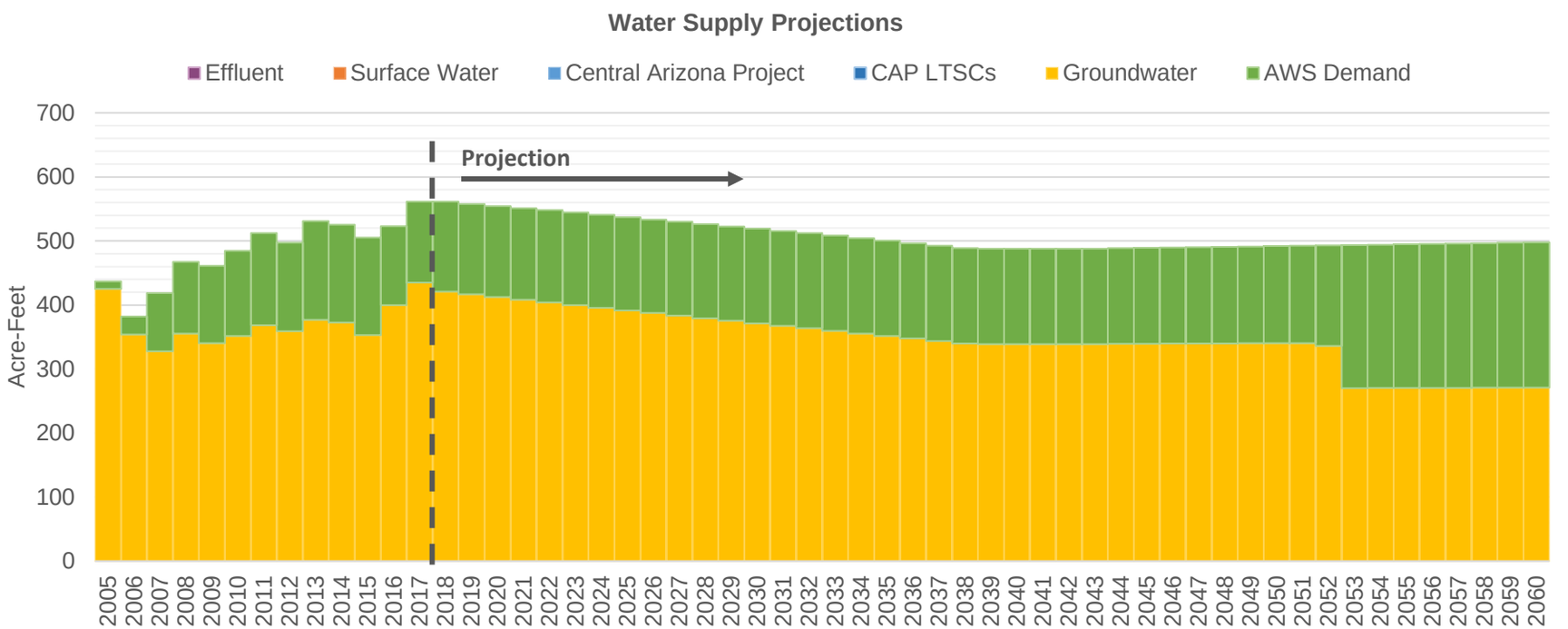
VoyagerWC

Central Arizona Project Service Area Model

A. Official, Historic Climate [LSCRBS]







Central Arizona Project Service Area Model

VoyagerWC

A. Official, Historic Climate [LSCRBS]

6/30/20 11:57 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,554	323	157	0	0	0	0	0	0	0	421	141
2019	1,560	320	157	0	0	0	0	0	0	0	417	141
2020	1,567	317	157	0	0	0	0	0	0	0	413	142
2021	1,575	315	157	0	0	0	0	0	0	0	408	143
2022	1,581	313	157	0	0	0	0	0	0	0	404	144
2023	1,584	310	157	0	0	0	0	0	0	0	400	145
2024	1,588	307	157	0	0	0	0	0	0	0	396	145
2025	1,591	305	157	0	0	0	0	0	0	0	392	146
2026	1,594	303	157	0	0	0	0	0	0	0	387	146
2027	1,598	301	157	0	0	0	0	0	0	0	383	146
2028	1,601	297	157	0	0	0	0	0	0	0	379	147
2029	1,604	296	157	0	0	0	0	0	0	0	375	147
2030	1,607	293	157	0	0	0	0	0	0	0	371	148
2031	1,610	291	157	0	0	0	0	0	0	0	367	148
2032	1,613	288	157	0	0	0	0	0	0	0	364	149
2033	1,613	286	157	0	0	0	0	0	0	0	359	149
2034	1,613	284	157	0	0	0	0	0	0	0	355	149
2035	1,613	282	157	0	0	0	0	0	0	0	352	149
2036	1,613	279	157	0	0	0	0	0	0	0	348	149
2037	1,613	277	157	0	0	0	0	0	0	0	344	149
2038	1,613	275	157	0	0	0	0	0	0	0	340	149
2039	1,613	275	157	0	0	0	0	0	0	0	339	149
2040	1,613	275	157	0	0	0	0	0	0	0	339	149
2041	1,613	275	157	0	0	0	0	0	0	0	339	149
2042	1,613	275	157	0	0	0	0	0	0	0	339	149
2043	1,615	275	157	0	0	0	0	0	0	0	339	149
2044	1,619	275	157	0	0	0	0	0	0	0	339	149
2045	1,622	275	157	0	0	0	0	0	0	0	340	150
2046	1,625	275	157	0	0	0	0	0	0	0	340	150
2047	1,628	275	157	0	0	0	0	0	0	0	340	150
2048	1,631	275	157	0	0	0	0	0	0	0	340	151
2049	1,635	275	157	0	0	0	0	0	0	0	340	151
2050	1,638	275	157	0	0	0	0	0	0	0	340	152
2051	1,641	275	157	0	0	0	0	0	0	0	340	152
2052	1,644	275	157	0	0	0	0	0	0	0	336	157
2053	1,647	275	157	0	0	0	0	0	0	0	270	223
2054	1,651	275	157	0	0	0	0	0	0	0	270	224
2055	1,654	275	157	0	0	0	0	0	0	0	270	224
2056	1,657	275	157	0	0	0	0	0	0	0	271	225
2057	1,660	275	157	0	0	0	0	0	0	0	271	225
2058	1,664	275	157	0	0	0	0	0	0	0	271	226
2059	1,667	275	157	0	0	0	0	0	0	0	271	226
2060	1,670	275	157	0	0	0	0	0	0	0	271	226

CAP:SAM Supply and Demand Projections by Water Provider

Scenario B

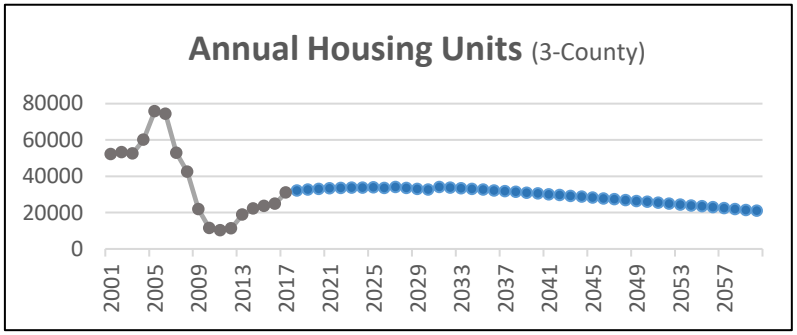
Climate: Best Case
Growth Rate: Slow
Growth Pattern: Compact
Relative Risk: Low

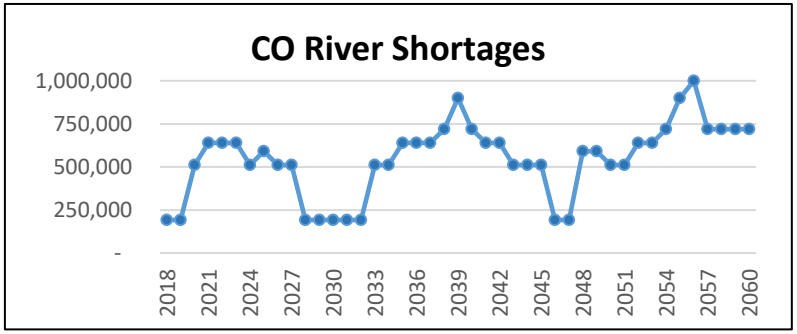
B. Slow, Compact, Dry Climate [LSCRBS]

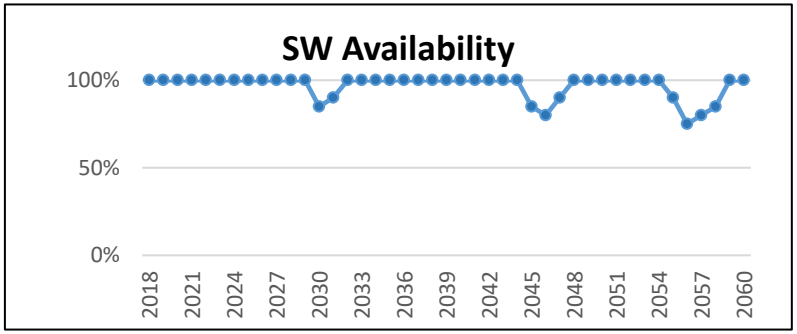
Run Date: 7/6/2020 **Filename:** CAPServiceArea_v3.50_LSCRBS_A(

Growth rate based on Low growth series from AZ Dept. of Administration, and condensed growth pattern. "Dry" = "Best

Allow Shortages	Yes	
Select CRSS Array	3	*3=Synthetic*
Use Specific Trace	Yes	
Selected Trace	2	*1=Moderate; 2=Deep; 3=Slight*
AWBA Max M&I	20%	
Surface Water Scenario	2	*1=No Reduction; 2=Occational; 3=Frequent*
Use CAP Buildup	Yes	
CAP Buildup Scenario	2	*1=2035; 2=2045*
HU Growth Pattern	5	*1=Baseline*
HU Forecast	2	*1=Use Curve; 2=Eller Forecast*
HU Curve	3	
HU Growth Start Rate	-1%	
HU Ordinary Level	34,000	
HU Rate @ 50 yrs	-3%	
GPHUD Change Existing	-0.6%	*per year*
GPHUD Max Change Existing	-15%	
GPHUD Min Existing	180	
GPHUD Scenario New	1	
GPHUD Change New	-0.2%	*per year*
Ag Climate Adjustment	0.1	
Ag Efficiency Increase	0.1%	*per year*
Ag Efficiency Goal	90%	
Ag Replace Crop CU	2.66	
Ag Intensity Scenario	2	
Ag Develop on Crops	40%	*Perecent of max on active Ag*
Ag Acres Replace Percent	0%	
Ag Replace Crop Year	2025	



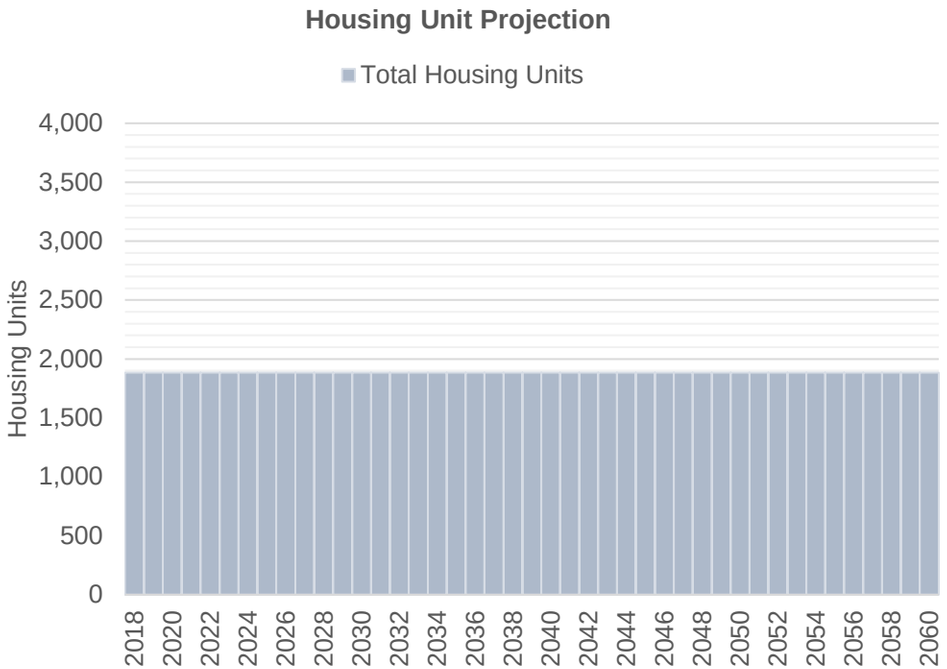


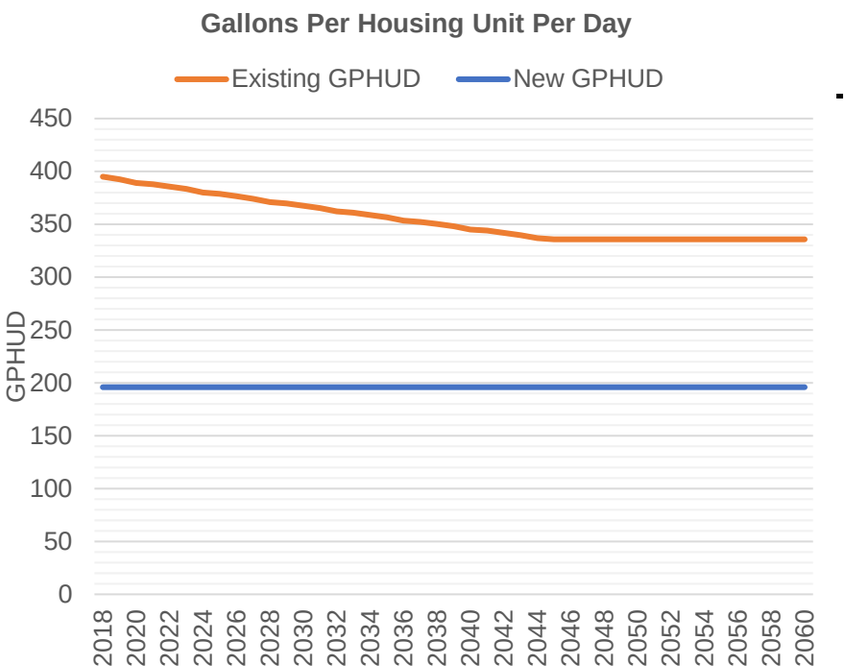


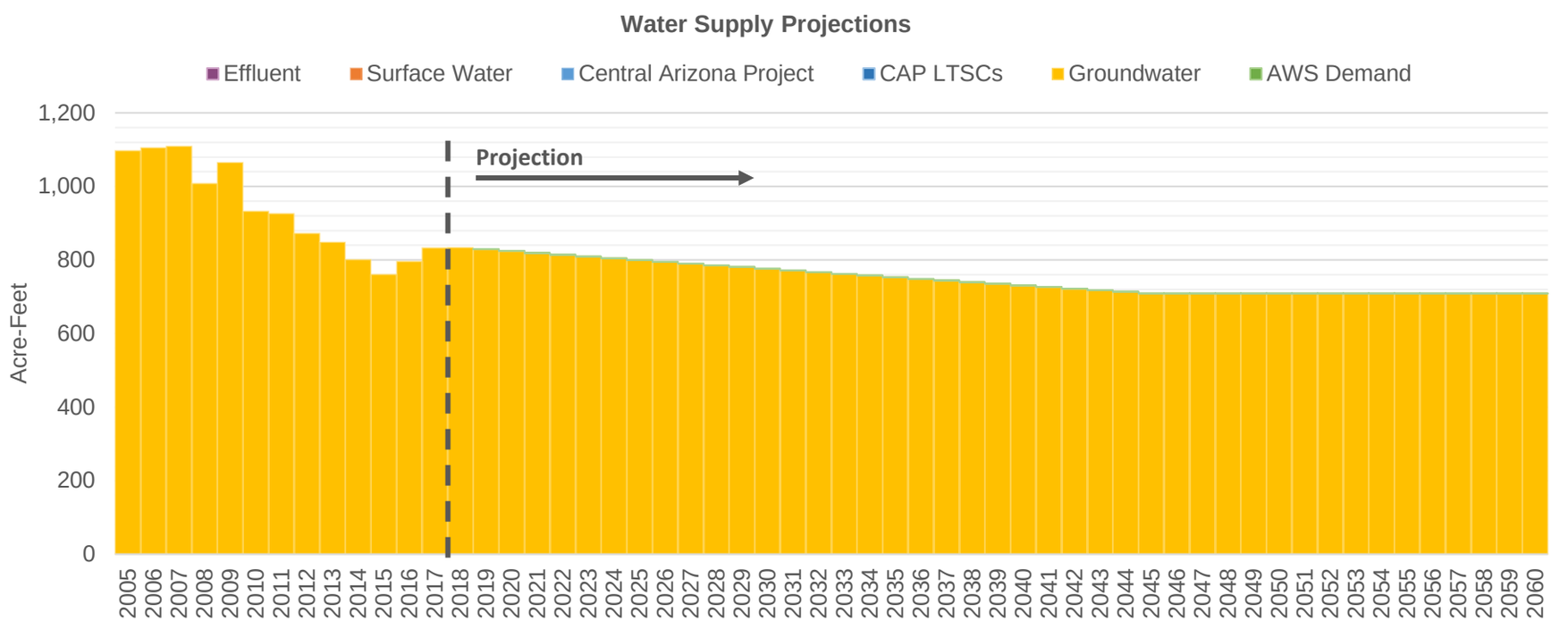
Central Arizona Project Service Area Model

AvraWaterCoop

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

AvraWaterCoop

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

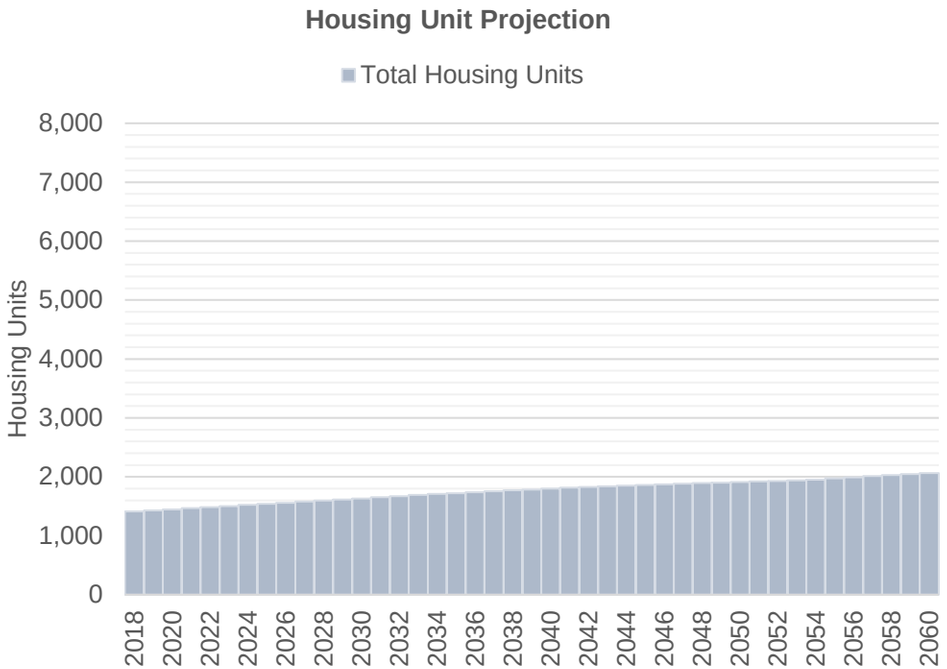
Water Supply Projections (Acre-Feet)

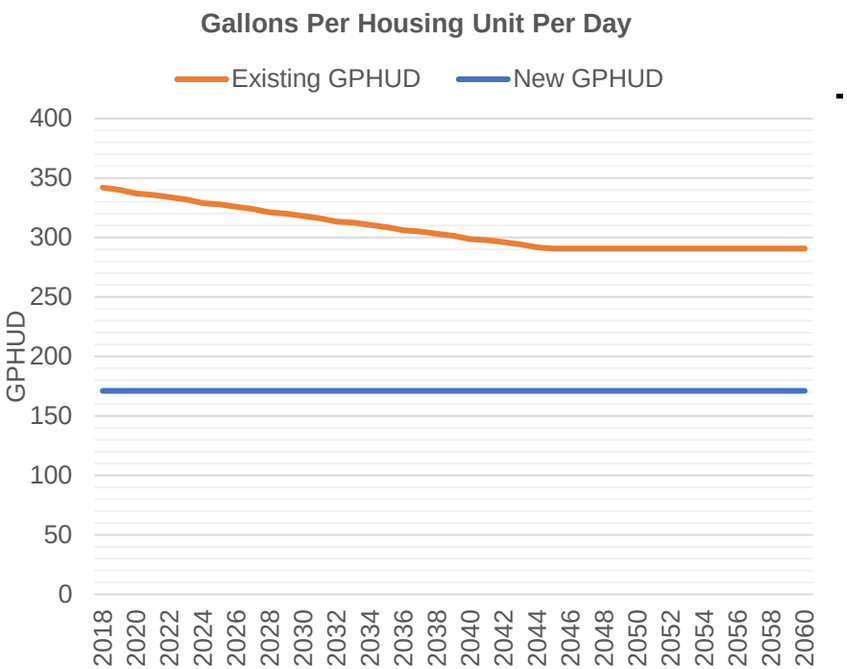
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,885	395	196	0	0	0	0	0	0	0	834	0
2019	1,885	393	196	0	0	0	0	0	0	0	829	0
2020	1,885	389	196	0	0	0	0	0	0	0	824	0
2021	1,885	388	196	0	0	0	0	0	0	0	819	0
2022	1,885	386	196	0	0	0	0	0	0	0	814	0
2023	1,885	383	196	0	0	0	0	0	0	0	809	0
2024	1,885	380	196	0	0	0	0	0	0	0	804	0
2025	1,885	379	196	0	0	0	0	0	0	0	800	0
2026	1,885	376	196	0	0	0	0	0	0	0	795	0
2027	1,885	374	196	0	0	0	0	0	0	0	790	0
2028	1,885	371	196	0	0	0	0	0	0	0	785	0
2029	1,885	370	196	0	0	0	0	0	0	0	781	0
2030	1,885	367	196	0	0	0	0	0	0	0	776	0
2031	1,885	365	196	0	0	0	0	0	0	0	771	0
2032	1,885	362	196	0	0	0	0	0	0	0	767	0
2033	1,885	361	196	0	0	0	0	0	0	0	762	0
2034	1,885	359	196	0	0	0	0	0	0	0	757	0
2035	1,885	357	196	0	0	0	0	0	0	0	753	0
2036	1,885	353	196	0	0	0	0	0	0	0	748	0
2037	1,885	352	196	0	0	0	0	0	0	0	744	0
2038	1,885	350	196	0	0	0	0	0	0	0	739	0
2039	1,885	348	196	0	0	0	0	0	0	0	735	0
2040	1,885	345	196	0	0	0	0	0	0	0	731	0
2041	1,885	344	196	0	0	0	0	0	0	0	726	0
2042	1,885	342	196	0	0	0	0	0	0	0	722	0
2043	1,885	340	196	0	0	0	0	0	0	0	718	0
2044	1,885	337	196	0	0	0	0	0	0	0	713	0
2045	1,885	336	196	0	0	0	0	0	0	0	709	0
2046	1,885	336	196	0	0	0	0	0	0	0	709	0
2047	1,885	336	196	0	0	0	0	0	0	0	709	0
2048	1,885	336	196	0	0	0	0	0	0	0	709	0
2049	1,885	336	196	0	0	0	0	0	0	0	709	0
2050	1,885	336	196	0	0	0	0	0	0	0	709	0
2051	1,885	336	196	0	0	0	0	0	0	0	709	0
2052	1,885	336	196	0	0	0	0	0	0	0	709	0
2053	1,885	336	196	0	0	0	0	0	0	0	709	0
2054	1,885	336	196	0	0	0	0	0	0	0	709	0
2055	1,885	336	196	0	0	0	0	0	0	0	709	0
2056	1,885	336	196	0	0	0	0	0	0	0	709	0
2057	1,885	336	196	0	0	0	0	0	0	0	709	0
2058	1,885	336	196	0	0	0	0	0	0	0	709	0
2059	1,885	336	196	0	0	0	0	0	0	0	709	0
2060	1,885	336	196	0	0	0	0	0	0	0	709	0

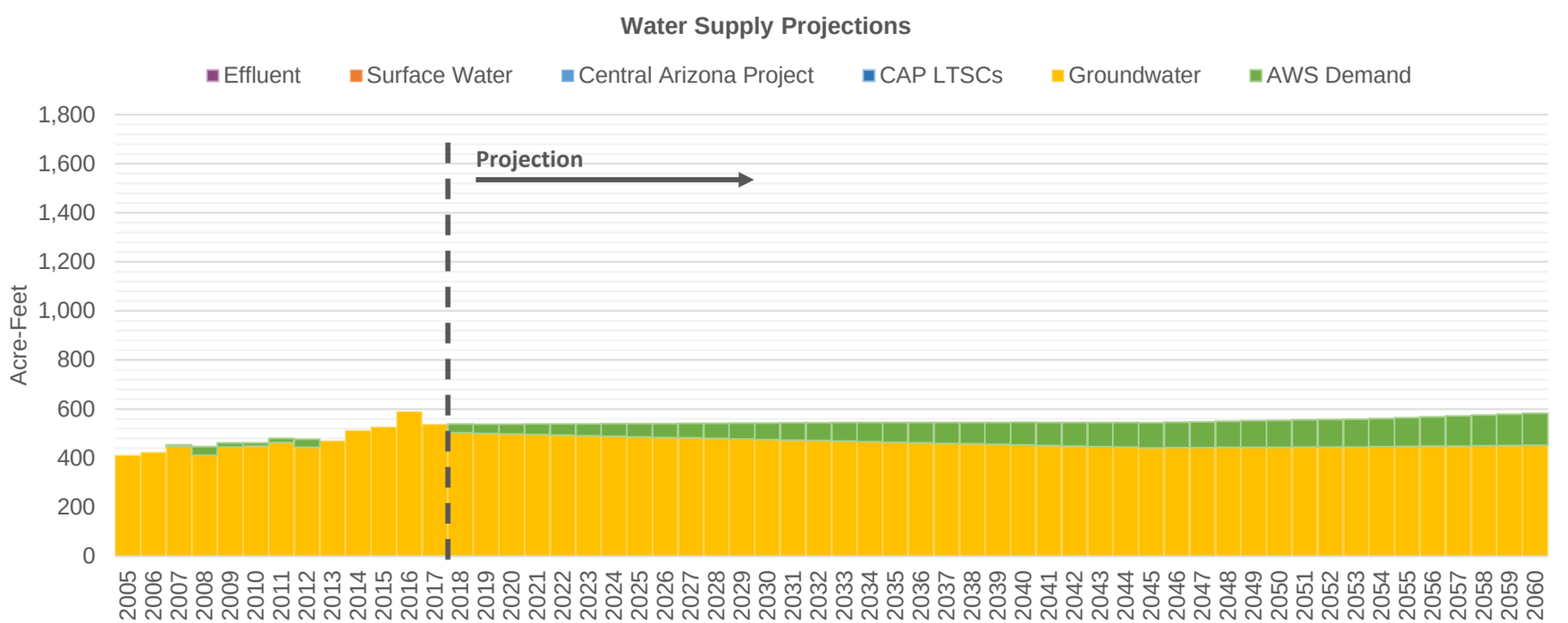
AZWCOracle

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

AZWCOracle

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

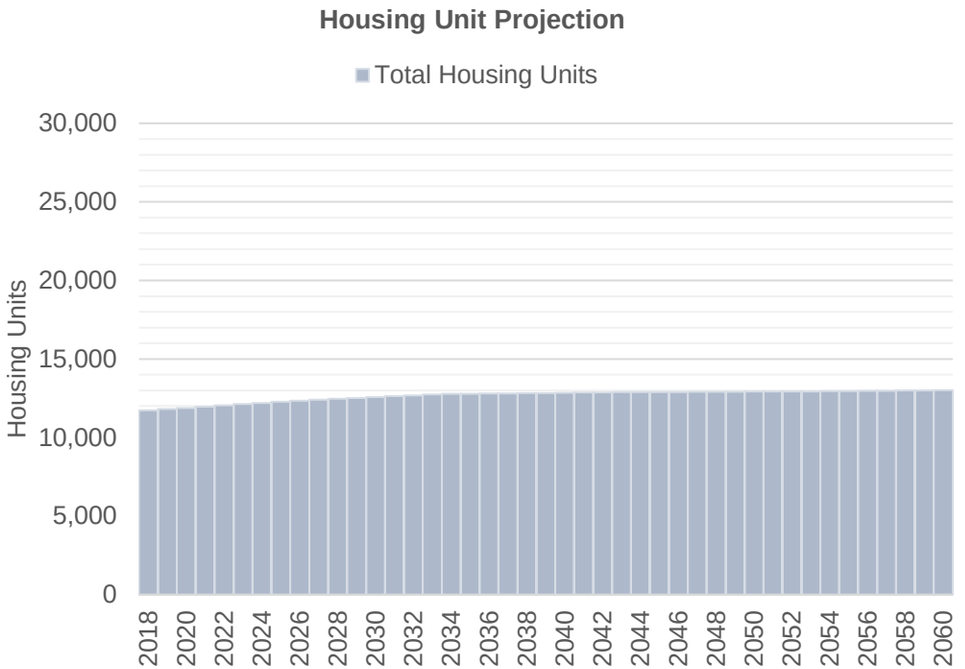
Water Supply Projections (Acre-Feet)

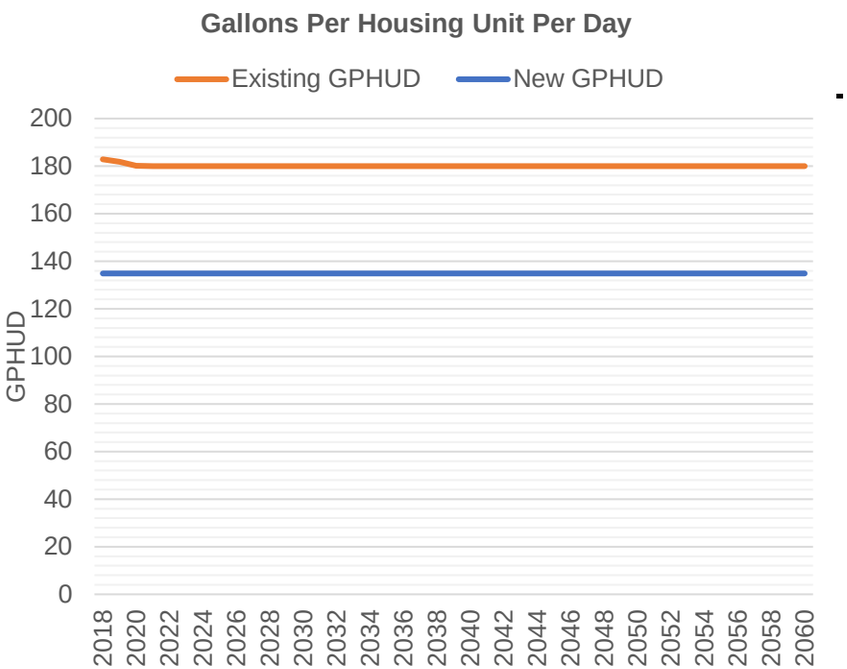
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,412	342	171	0	0	0	0	0	0	0	503	36
2019	1,430	340	171	0	0	0	0	0	0	0	501	37
2020	1,449	337	171	0	0	0	0	0	0	0	499	40
2021	1,467	336	171	0	0	0	0	0	0	0	496	43
2022	1,485	334	171	0	0	0	0	0	0	0	493	45
2023	1,504	332	171	0	0	0	0	0	0	0	491	48
2024	1,523	329	171	0	0	0	0	0	0	0	489	51
2025	1,541	328	171	0	0	0	0	0	0	0	486	54
2026	1,560	326	171	0	0	0	0	0	0	0	484	56
2027	1,579	324	171	0	0	0	0	0	0	0	482	59
2028	1,598	321	171	0	0	0	0	0	0	0	480	62
2029	1,616	320	171	0	0	0	0	0	0	0	478	65
2030	1,634	318	171	0	0	0	0	0	0	0	475	67
2031	1,654	316	171	0	0	0	0	0	0	0	473	70
2032	1,673	313	171	0	0	0	0	0	0	0	471	73
2033	1,691	312	171	0	0	0	0	0	0	0	469	76
2034	1,709	311	171	0	0	0	0	0	0	0	467	78
2035	1,724	309	171	0	0	0	0	0	0	0	465	81
2036	1,740	306	171	0	0	0	0	0	0	0	463	83
2037	1,755	305	171	0	0	0	0	0	0	0	460	85
2038	1,771	303	171	0	0	0	0	0	0	0	458	88
2039	1,786	301	171	0	0	0	0	0	0	0	456	90
2040	1,800	299	171	0	0	0	0	0	0	0	454	92
2041	1,815	298	171	0	0	0	0	0	0	0	451	94
2042	1,829	296	171	0	0	0	0	0	0	0	449	96
2043	1,842	294	171	0	0	0	0	0	0	0	447	98
2044	1,853	292	171	0	0	0	0	0	0	0	445	100
2045	1,863	291	171	0	0	0	0	0	0	0	442	102
2046	1,873	291	171	0	0	0	0	0	0	0	443	103
2047	1,883	291	171	0	0	0	0	0	0	0	443	105
2048	1,893	291	171	0	0	0	0	0	0	0	444	106
2049	1,903	291	171	0	0	0	0	0	0	0	444	108
2050	1,912	291	171	0	0	0	0	0	0	0	444	109
2051	1,922	291	171	0	0	0	0	0	0	0	445	111
2052	1,931	291	171	0	0	0	0	0	0	0	446	112
2053	1,940	291	171	0	0	0	0	0	0	0	446	113
2054	1,953	291	171	0	0	0	0	0	0	0	446	115
2055	1,973	291	171	0	0	0	0	0	0	0	448	117
2056	1,992	291	171	0	0	0	0	0	0	0	449	119
2057	2,011	291	171	0	0	0	0	0	0	0	449	122
2058	2,029	291	171	0	0	0	0	0	0	0	450	125
2059	2,047	291	171	0	0	0	0	0	0	0	451	128
2060	2,064	291	171	0	0	0	0	0	0	0	452	130

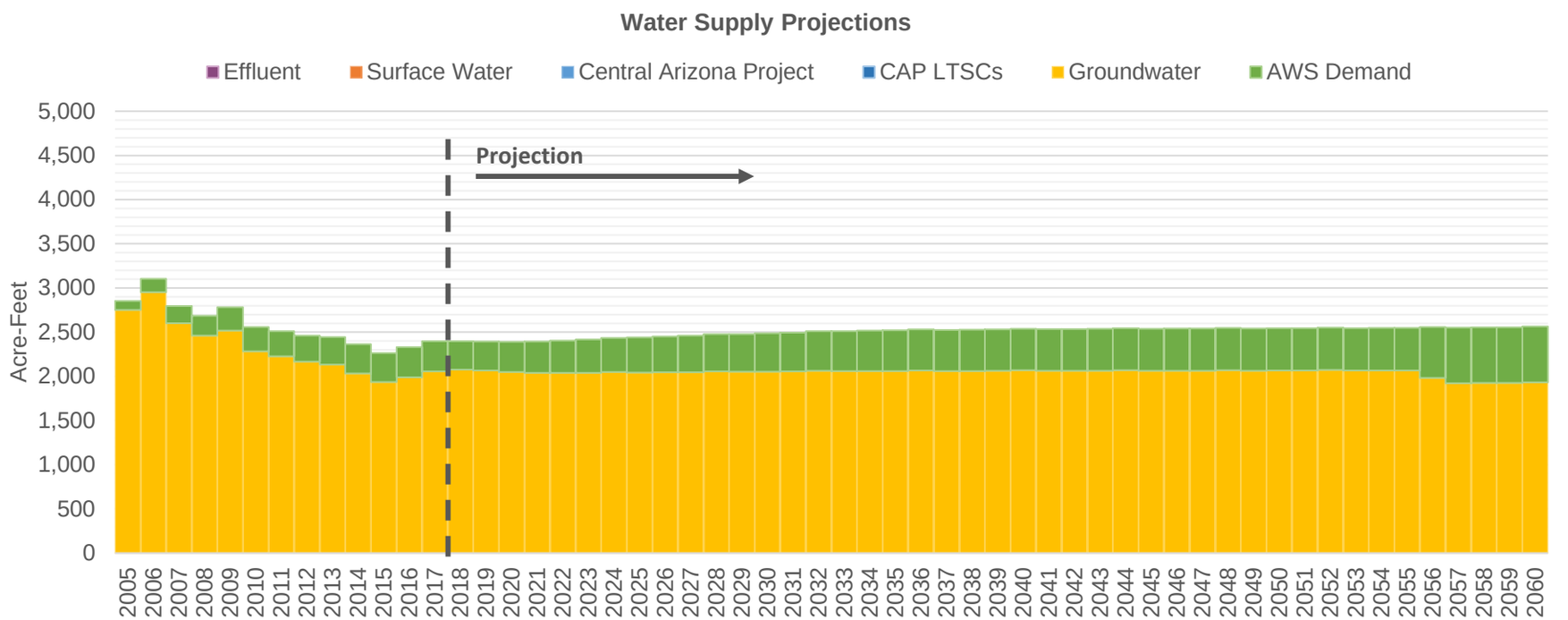
Central Arizona Project Service Area Model

CommWaterGreenVly

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

CommWaterGre

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

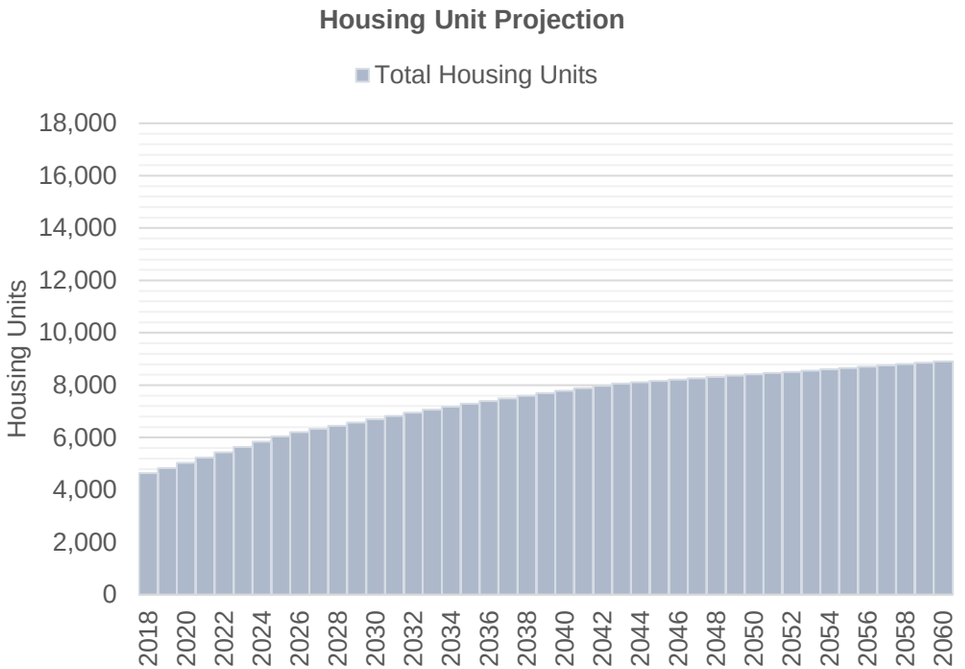
Demand Assumptions **Water Supply Projections** (Acre-Feet)

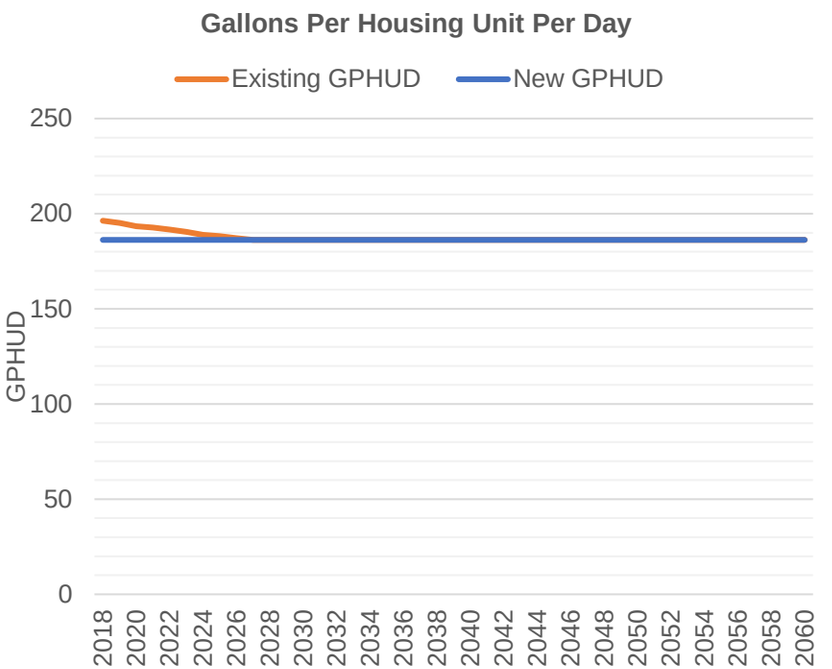
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	11,731	183	135	0	0	0	0	0	0	0	2,077	322
2019	11,809	182	135	0	0	0	0	0	0	0	2,065	328
2020	11,887	180	135	0	0	0	0	0	0	0	2,050	340
2021	11,967	180	135	0	0	0	0	0	0	0	2,040	353
2022	12,046	180	135	0	0	0	0	0	0	0	2,039	366
2023	12,126	180	135	0	0	0	0	0	0	0	2,040	378
2024	12,207	180	135	0	0	0	0	0	0	0	2,049	387
2025	12,287	180	135	0	0	0	0	0	0	0	2,044	397
2026	12,352	180	135	0	0	0	0	0	0	0	2,046	407
2027	12,409	180	135	0	0	0	0	0	0	0	2,047	414
2028	12,464	180	135	0	0	0	0	0	0	0	2,056	421
2029	12,519	180	135	0	0	0	0	0	0	0	2,051	427
2030	12,573	180	135	0	0	0	0	0	0	0	2,053	433
2031	12,630	180	135	0	0	0	0	0	0	0	2,056	439
2032	12,686	180	135	0	0	0	0	0	0	0	2,065	446
2033	12,741	180	135	0	0	0	0	0	0	0	2,060	452
2034	12,779	180	135	0	0	0	0	0	0	0	2,060	459
2035	12,791	180	135	0	0	0	0	0	0	0	2,060	463
2036	12,803	180	135	0	0	0	0	0	0	0	2,067	464
2037	12,815	180	135	0	0	0	0	0	0	0	2,061	466
2038	12,827	180	135	0	0	0	0	0	0	0	2,061	467
2039	12,838	180	135	0	0	0	0	0	0	0	2,062	468
2040	12,850	180	135	0	0	0	0	0	0	0	2,069	470
2041	12,861	180	135	0	0	0	0	0	0	0	2,063	471
2042	12,872	180	135	0	0	0	0	0	0	0	2,063	472
2043	12,882	180	135	0	0	0	0	0	0	0	2,063	473
2044	12,888	180	135	0	0	0	0	0	0	0	2,070	475
2045	12,895	180	135	0	0	0	0	0	0	0	2,064	475
2046	12,901	180	135	0	0	0	0	0	0	0	2,064	476
2047	12,908	180	135	0	0	0	0	0	0	0	2,064	477
2048	12,914	180	135	0	0	0	0	0	0	0	2,071	477
2049	12,920	180	135	0	0	0	0	0	0	0	2,065	478
2050	12,926	180	135	0	0	0	0	0	0	0	2,065	479
2051	12,932	180	135	0	0	0	0	0	0	0	2,065	480
2052	12,938	180	135	0	0	0	0	0	0	0	2,072	480
2053	12,943	180	135	0	0	0	0	0	0	0	2,065	481
2054	12,951	180	135	0	0	0	0	0	0	0	2,066	481
2055	12,962	180	135	0	0	0	0	0	0	0	2,066	482
2056	12,973	180	135	0	0	0	0	0	0	0	1,982	575
2057	12,984	180	135	0	0	0	0	0	0	0	1,924	628
2058	12,994	180	135	0	0	0	0	0	0	0	1,925	629
2059	13,004	180	135	0	0	0	0	0	0	0	1,925	630
2060	13,014	180	135	0	0	0	0	0	0	0	1,932	631

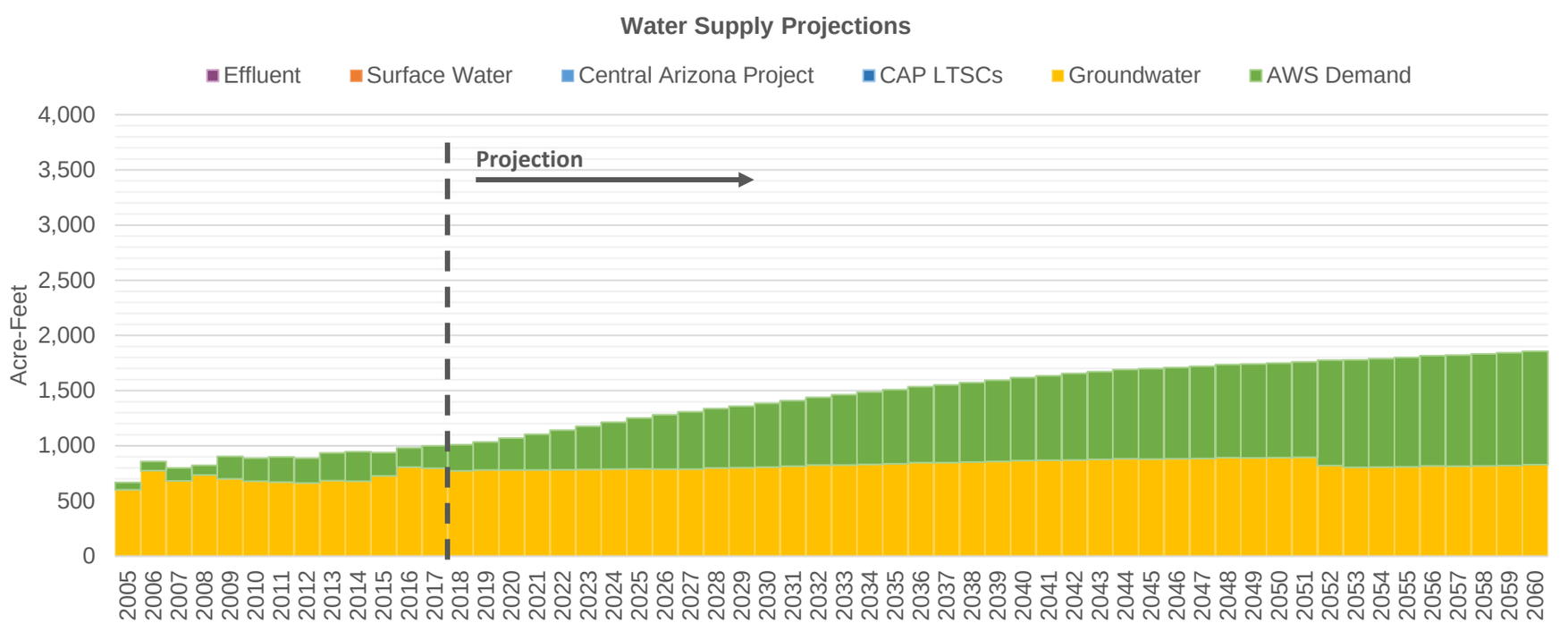
FarmersWC

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

FarmersWC

B. Slow, Compact, Dry Climate [LSCRBS]

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Demand Assumptions

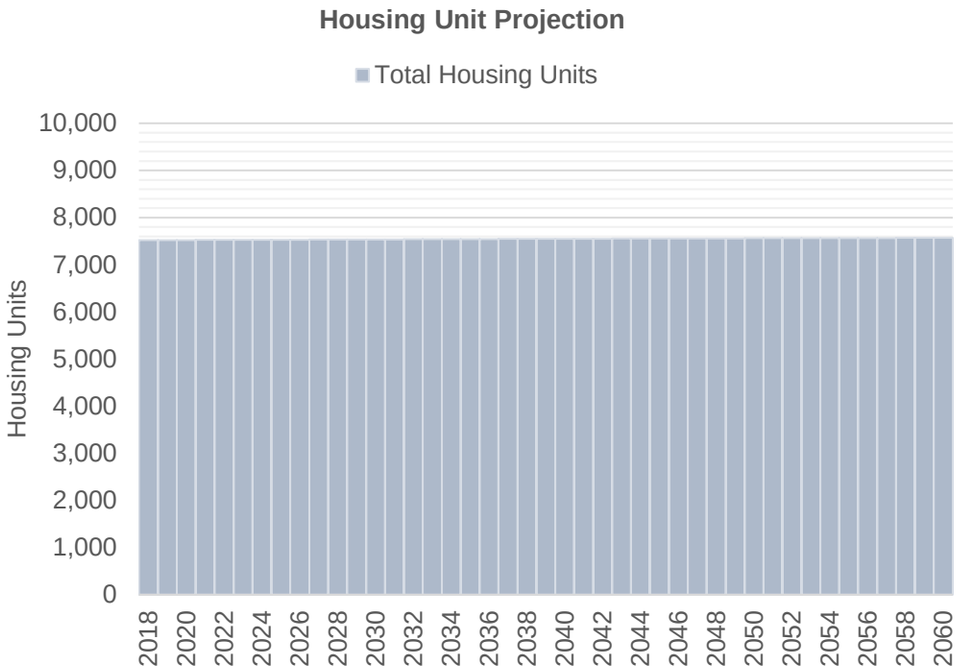
Water Supply Projections (Acre-Feet)

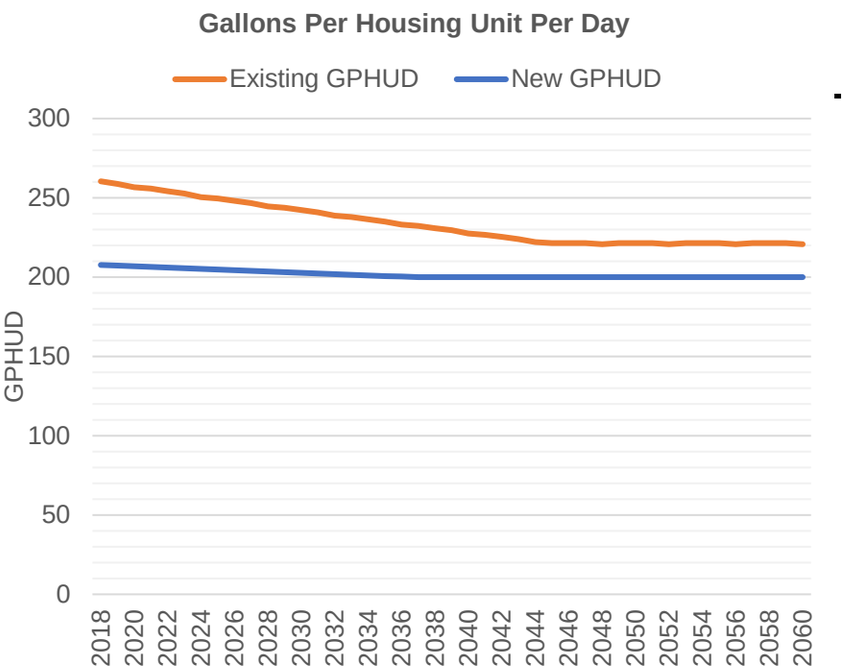
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,639	196	186	0	0	0	0	0	0	0	772	238
2019	4,836	195	186	0	0	0	0	0	0	0	780	254
2020	5,035	193	186	0	0	0	0	0	0	0	780	289
2021	5,236	193	186	0	0	0	0	0	0	0	781	324
2022	5,438	192	186	0	0	0	0	0	0	0	783	358
2023	5,641	190	186	0	0	0	0	0	0	0	785	392
2024	5,844	189	186	0	0	0	0	0	0	0	788	426
2025	6,049	188	186	0	0	0	0	0	0	0	790	460
2026	6,203	187	186	0	0	0	0	0	0	0	789	493
2027	6,329	186	186	0	0	0	0	0	0	0	789	518
2028	6,453	186	186	0	0	0	0	0	0	0	799	538
2029	6,575	186	186	0	0	0	0	0	0	0	802	557
2030	6,696	186	186	0	0	0	0	0	0	0	808	577
2031	6,822	186	186	0	0	0	0	0	0	0	815	595
2032	6.947	186	186	0	0	0	0	0	0	0	825	615
2033	7,070	186	186	0	0	0	0	0	0	0	827	635
2034	7,185	186	186	0	0	0	0	0	0	0	833	654
2035	7,289	186	186	0	0	0	0	0	0	0	838	672
2036	7,392	186	186	0	0	0	0	0	0	0	847	688
2037	7,493	186	186	0	0	0	0	0	0	0	848	705
2038	7,592	186	186	0	0	0	0	0	0	0	853	720
2039	7,691	186	186	0	0	0	0	0	0	0	858	736
2040	7,788	186	186	0	0	0	0	0	0	0	867	752
2041	7,884	186	186	0	0	0	0	0	0	0	868	767
2042	7,978	186	186	0	0	0	0	0	0	0	873	782
2043	8,058	186	186	0	0	0	0	0	0	0	876	797
2044	8,112	186	186	0	0	0	0	0	0	0	882	809
2045	8,165	186	186	0	0	0	0	0	0	0	880	818
2046	8,217	186	186	0	0	0	0	0	0	0	883	826
2047	8,268	186	186	0	0	0	0	0	0	0	885	834
2048	8,318	186	186	0	0	0	0	0	0	0	893	842
2049	8,367	186	186	0	0	0	0	0	0	0	890	850
2050	8,416	186	186	0	0	0	0	0	0	0	893	858
2051	8,463	186	186	0	0	0	0	0	0	0	895	865
2052	8,510	186	186	0	0	0	0	0	0	0	822	953
2053	8,555	186	186	0	0	0	0	0	0	0	804	976
2054	8,603	186	186	0	0	0	0	0	0	0	807	983
2055	8,656	186	186	0	0	0	0	0	0	0	810	991
2056	8,707	186	186	0	0	0	0	0	0	0	817	999
2057	8,758	186	186	0	0	0	0	0	0	0	815	1,006
2058	8,807	186	186	0	0	0	0	0	0	0	818	1,014
2059	8,855	186	186	0	0	0	0	0	0	0	821	1,021
2060	8,902	186	186	0	0	0	0	0	0	0	829	1,029

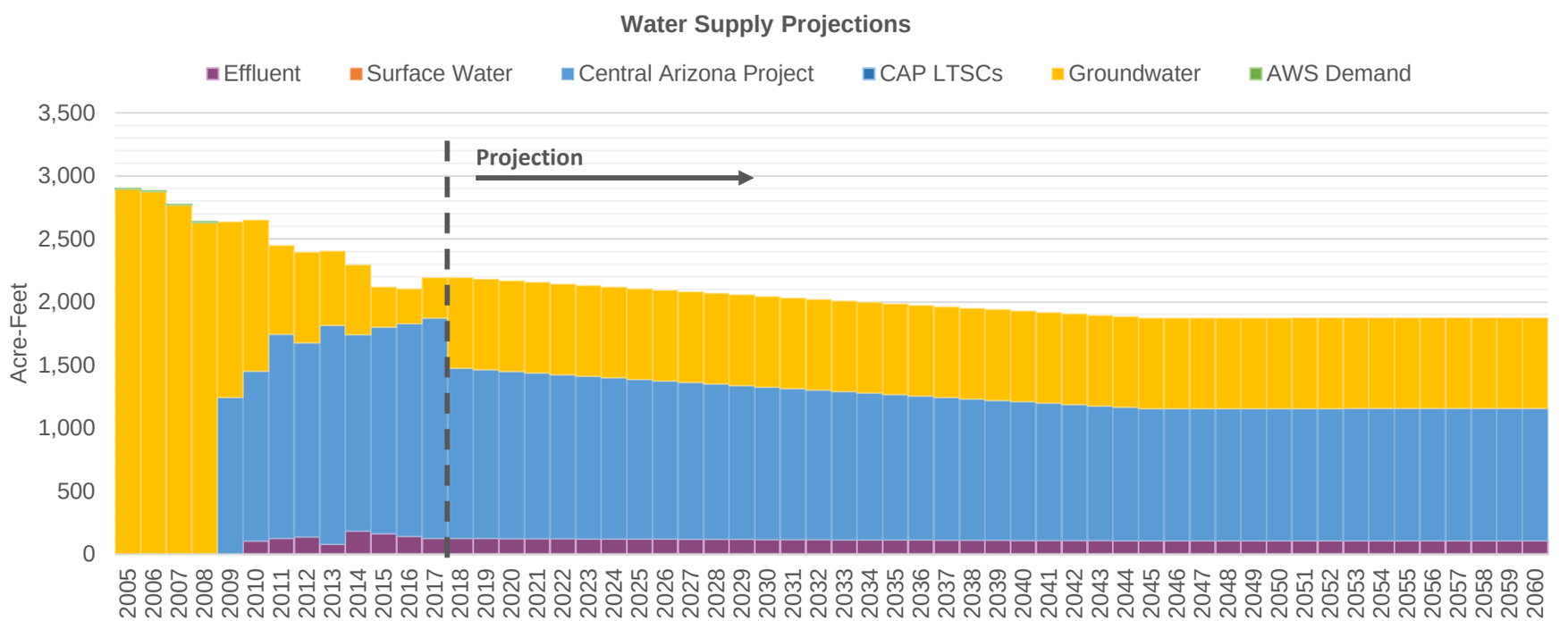
FWID

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

FWID

B. Slow, Compact, Dry Climate [LSCRBS]

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Demand Assumptions

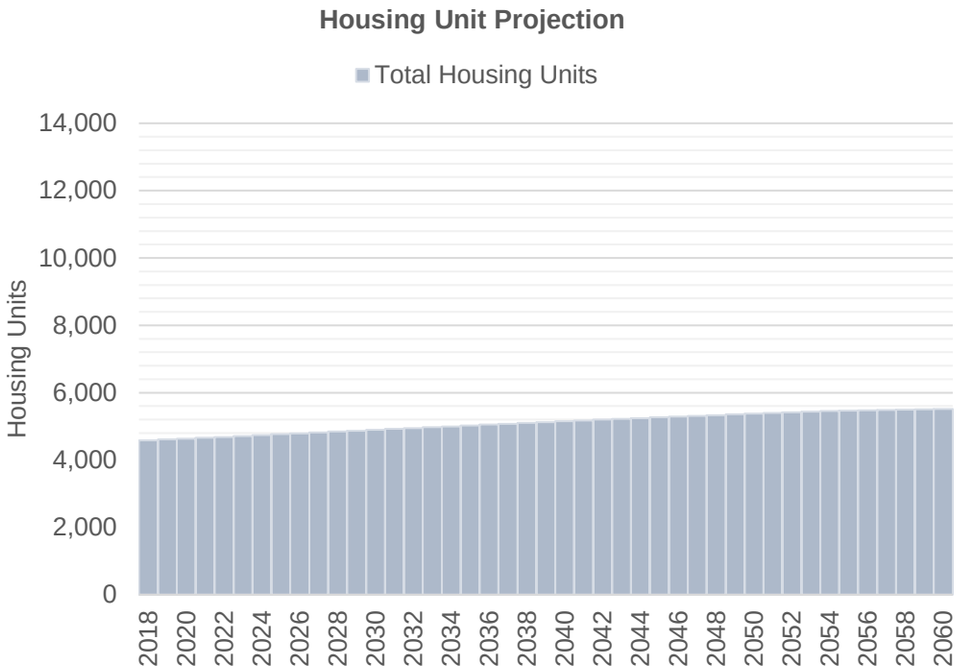
Water Supply Projections (Acre-Feet)

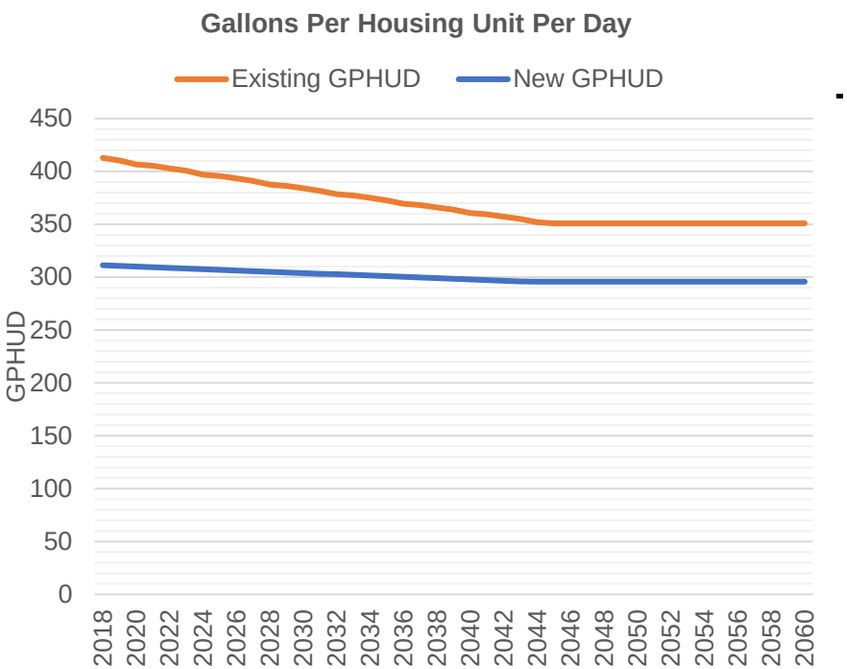
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	7,522	260	208	125	0	0	0	1,350	1,523	0	719	0
2019	7,523	259	207	125	0	0	0	1,337	1,536	0	719	0
2020	7,524	257	207	124	0	0	0	1,325	1,548	0	719	0
2021	7,526	256	206	124	0	0	0	1,313	1,560	0	719	0
2022	7,527	254	206	123	0	0	0	1,301	1,572	0	719	0
2023	7,528	253	206	122	0	0	0	1,289	1,584	0	719	0
2024	7,530	251	205	121	0	0	0	1,278	1,595	0	719	0
2025	7,531	250	205	121	0	0	0	1,266	1,607	0	719	0
2026	7,532	248	204	120	0	0	0	1,254	1,619	0	719	0
2027	7,534	247	204	119	0	0	0	1,243	1,630	0	719	0
2028	7,535	245	204	119	0	0	0	1,231	1,642	0	719	0
2029	7,536	244	203	118	0	0	0	1,220	1,653	0	719	0
2030	7,537	242	203	117	0	0	0	1,208	1,665	0	719	0
2031	7,539	241	202	116	0	0	0	1,197	1,676	0	719	0
2032	7,540	239	202	116	0	0	0	1,186	1,687	0	719	0
2033	7,542	238	202	115	0	0	0	1,175	1,698	0	719	0
2034	7,543	237	201	114	0	0	0	1,164	1,709	0	719	0
2035	7,544	235	201	114	0	0	0	1,153	1,720	0	719	0
2036	7,545	233	200	113	0	0	0	1,142	1,731	0	719	0
2037	7,547	232	200	112	0	0	0	1,131	1,742	0	719	0
2038	7,548	231	200	112	0	0	0	1,120	1,753	0	719	0
2039	7,549	230	200	111	0	0	0	1,109	1,257	0	719	0
2040	7,550	228	200	111	0	0	0	1,098	1,756	0	719	0
2041	7,551	227	200	110	0	0	0	1,088	1,785	0	719	0
2042	7,552	225	200	109	0	0	0	1,077	1,796	0	719	0
2043	7,554	224	200	109	0	0	0	1,067	1,806	0	719	0
2044	7,555	222	200	108	0	0	0	1,056	1,817	0	719	0
2045	7,556	221	200	107	0	0	0	1,046	1,827	0	719	0
2046	7,557	221	200	107	0	0	0	1,047	1,826	0	719	0
2047	7,558	221	200	107	0	0	0	1,047	1,826	0	719	0
2048	7,559	221	200	107	0	0	0	1,047	1,826	0	719	0
2049	7,560	221	200	107	0	0	0	1,047	1,826	0	719	0
2050	7,561	221	200	107	0	0	0	1,048	1,825	0	719	0
2051	7,562	221	200	107	0	0	0	1,048	1,825	0	719	0
2052	7,563	221	200	107	0	0	0	1,048	1,732	0	719	0
2053	7,564	221	200	107	0	0	0	1,048	1,732	0	719	0
2054	7,564	221	200	107	0	0	0	1,048	1,532	0	719	0
2055	7,565	221	200	107	0	0	0	1,049	1,084	0	719	0
2056	7,566	221	200	107	0	0	0	1,049	834	0	719	0
2057	7,567	221	200	107	0	0	0	1,049	1,532	0	719	0
2058	7,568	221	200	107	0	0	0	1,049	1,532	0	719	0
2059	7,569	221	200	107	0	0	0	1,049	1,531	0	719	0
2060	7,569	221	200	107	0	0	0	1,050	1,531	0	719	0

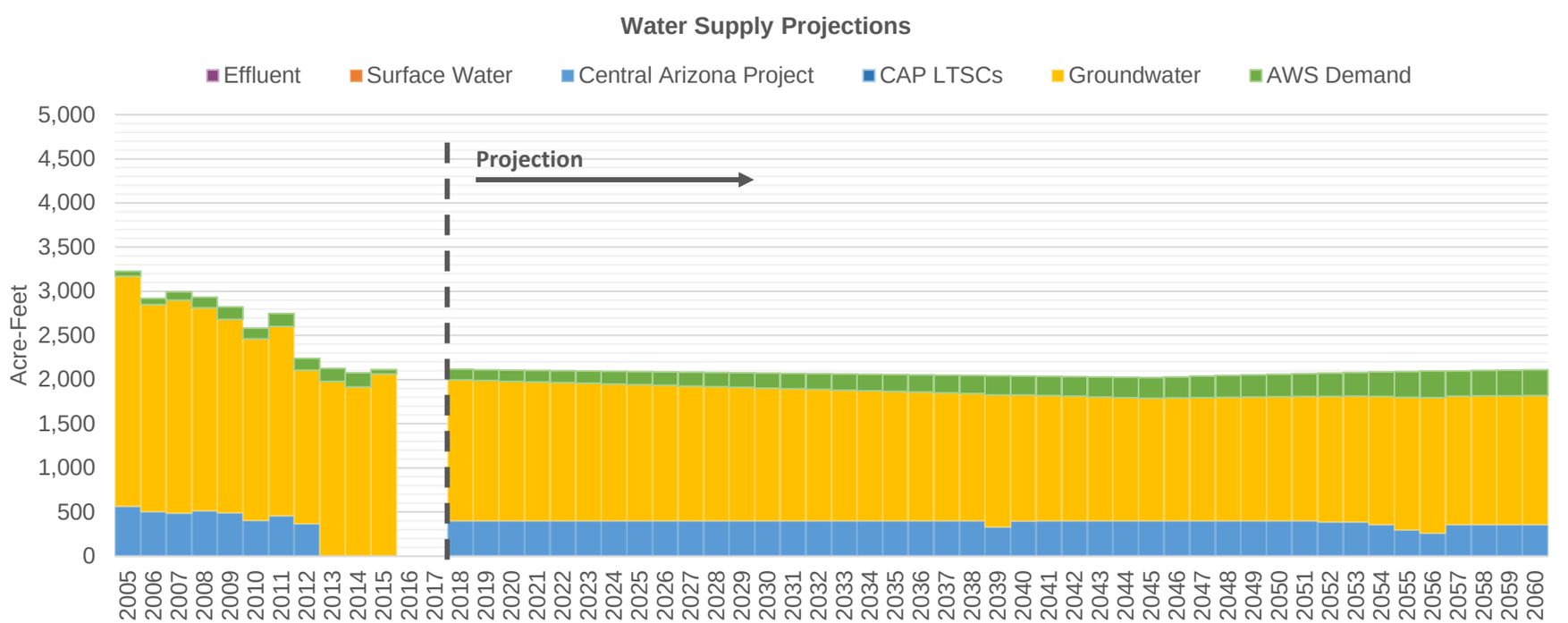
Central Arizona Project Service Area Model

GVDWID

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

GVDWID

B. Slow, Compact, Dry Climate [LSCRBS]

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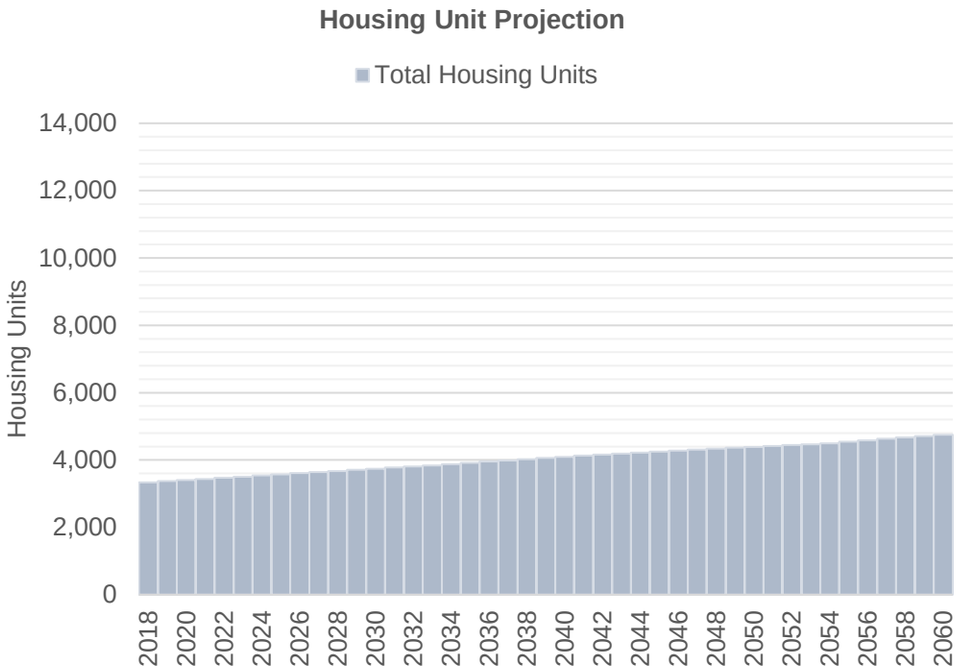
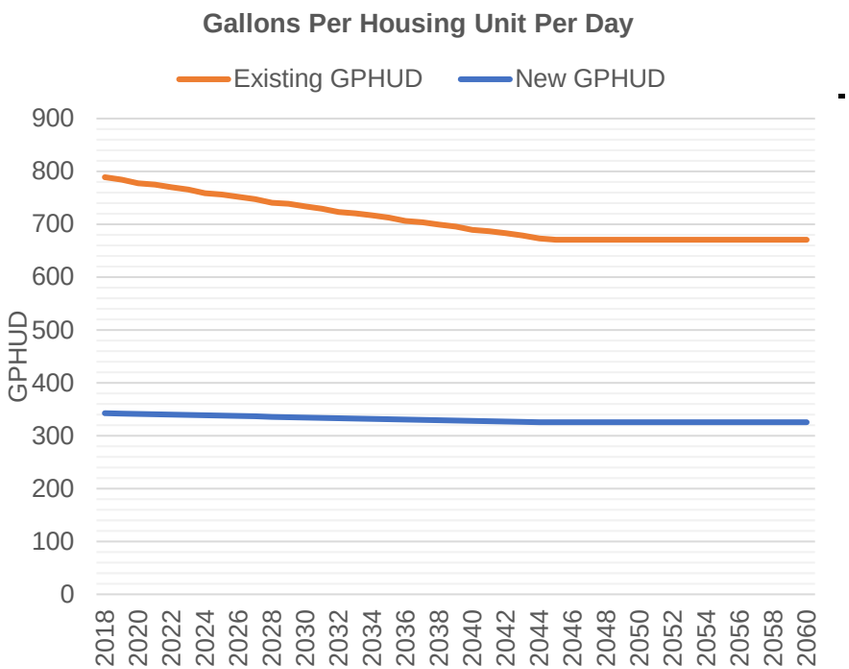
Date	Demand Assumptions: Housing Units	GPHUD		Water Supply Projections (Acre-Feet): Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,583	413	311	0	0	0	399	0	0	0	1,598	119
2019	4,609	410	311	0	0	0	399	0	0	0	1,590	121
2020	4,634	407	310	0	0	0	399	0	0	0	1,582	125
2021	4,660	405	309	0	0	0	399	0	0	0	1,574	129
2022	4,686	403	309	0	0	0	399	0	0	0	1,567	133
2023	4,712	401	308	0	0	0	399	0	0	0	1,559	137
2024	4,739	397	308	0	0	0	399	0	0	0	1,552	141
2025	4,765	396	307	0	0	0	399	0	0	0	1,544	146
2026	4,791	393	306	0	0	0	399	0	0	0	1,536	150
2027	4,818	391	306	0	0	0	399	0	0	0	1,528	155
2028	4,844	388	305	0	0	0	399	0	0	0	1,520	160
2029	4,870	386	304	0	0	0	399	0	0	0	1,512	164
2030	4,895	384	304	0	0	0	399	0	0	0	1,504	169
2031	4,922	382	303	0	0	0	399	0	0	0	1,497	174
2032	4,948	378	303	0	0	0	399	0	0	0	1,489	178
2033	4,974	377	302	0	0	0	399	0	0	0	1,481	183
2034	5,000	375	301	0	0	0	399	0	0	0	1,473	188
2035	5,026	373	301	0	0	0	399	0	0	0	1,466	192
2036	5,051	369	300	0	0	0	399	0	0	0	1,458	197
2037	5,076	368	300	0	0	0	399	0	0	0	1,450	201
2038	5,101	366	299	0	0	0	399	0	0	0	1,443	206
2039	5,126	364	298	0	0	0	329	0	0	0	1,497	219
2040	5,150	361	298	0	0	0	396	0	0	0	1,430	215
2041	5,173	359	297	0	0	0	399	0	0	0	1,420	218
2042	5,197	357	297	0	0	0	399	0	0	0	1,412	222
2043	5,220	355	296	0	0	0	399	0	0	0	1,404	227
2044	5,243	352	296	0	0	0	399	0	0	0	1,397	231
2045	5,266	351	296	0	0	0	399	0	0	0	1,390	234
2046	5,289	351	296	0	0	0	399	0	0	0	1,393	239
2047	5,311	351	296	0	0	0	399	0	0	0	1,396	243
2048	5,333	351	296	0	0	0	399	0	0	0	1,400	247
2049	5,354	351	296	0	0	0	399	0	0	0	1,402	251
2050	5,376	351	296	0	0	0	399	0	0	0	1,405	255
2051	5,396	351	296	0	0	0	399	0	0	0	1,408	259
2052	5,416	351	296	0	0	0	386	0	0	0	1,423	265
2053	5,436	351	296	0	0	0	386	0	0	0	1,425	269
2054	5,453	351	296	0	0	0	358	0	0	0	1,450	277
2055	5,465	351	296	0	0	0	296	0	0	0	1,504	291
2056	5,476	351	296	0	0	0	262	0	0	0	1,535	299
2057	5,487	351	296	0	0	0	358	0	0	0	1,454	285
2058	5,499	351	296	0	0	0	358	0	0	0	1,456	288
2059	5,509	351	296	0	0	0	358	0	0	0	1,457	290
2060	5,520	351	296	0	0	0	358	0	0	0	1,460	292

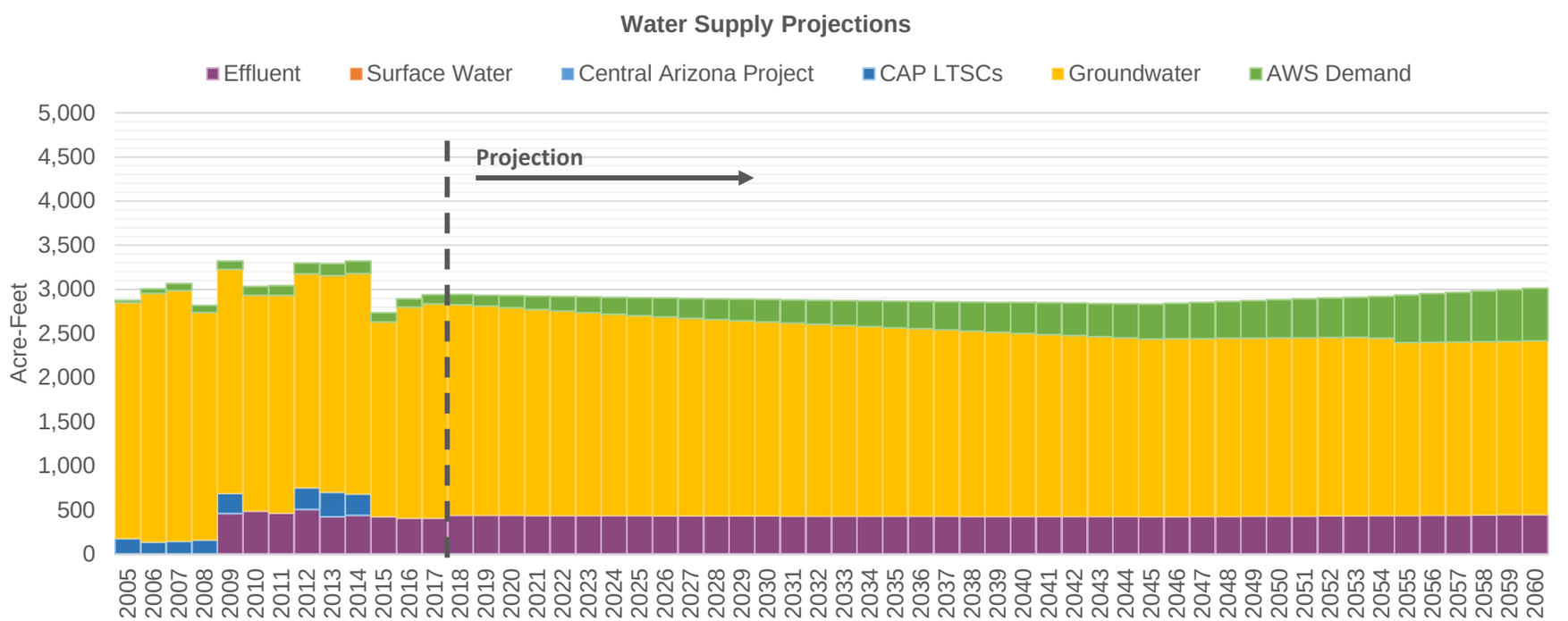
LagoDelOro

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LagoDelOro

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

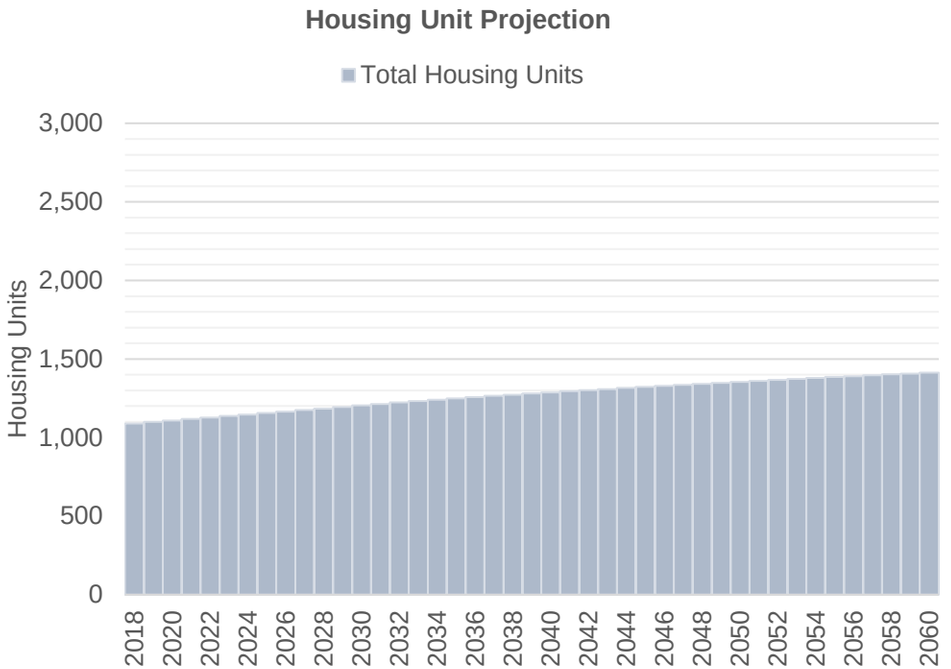
Water Supply Projections (Acre-Feet)

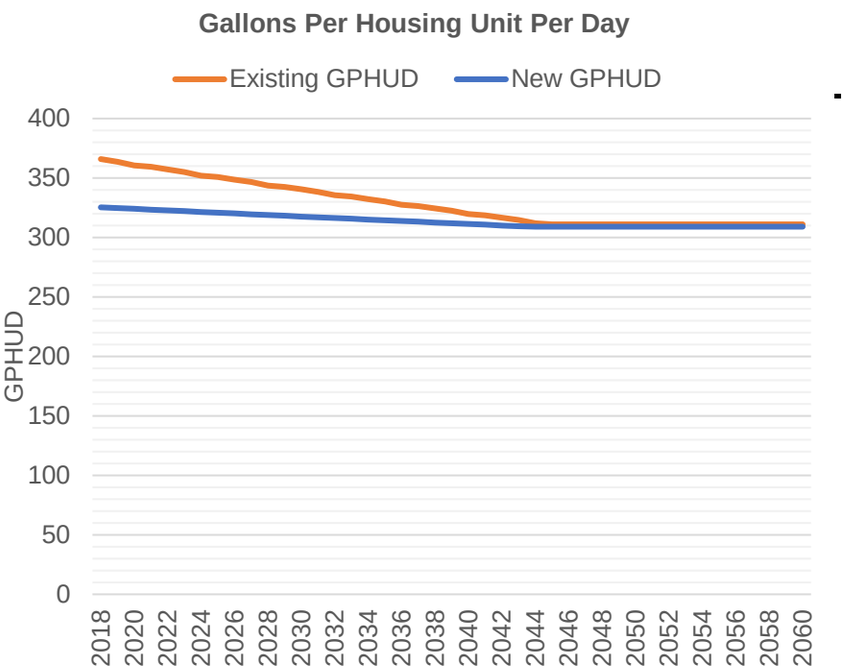
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,341	789	343	441	0	0	0	0	0	0	2,386	116
2019	3,373	784	342	441	0	0	0	0	0	0	2,370	123
2020	3,406	778	341	440	0	0	0	0	0	0	2,352	137
2021	3,439	775	341	439	0	0	0	0	0	0	2,333	152
2022	3,473	770	340	438	0	0	0	0	0	0	2,316	165
2023	3,506	766	339	437	0	0	0	0	0	0	2,300	178
2024	3,540	759	339	437	0	0	0	0	0	0	2,283	190
2025	3,574	757	338	436	0	0	0	0	0	0	2,267	203
2026	3,607	752	337	435	0	0	0	0	0	0	2,253	214
2027	3,641	747	337	435	0	0	0	0	0	0	2,239	224
2028	3,675	741	336	434	0	0	0	0	0	0	2,226	234
2029	3,708	739	335	434	0	0	0	0	0	0	2,212	243
2030	3,741	734	335	433	0	0	0	0	0	0	2,199	253
2031	3,775	730	334	432	0	0	0	0	0	0	2,187	262
2032	3,808	723	333	432	0	0	0	0	0	0	2,174	271
2033	3,842	721	333	431	0	0	0	0	0	0	2,161	280
2034	3,877	717	332	430	0	0	0	0	0	0	2,149	289
2035	3,914	712	331	430	0	0	0	0	0	0	2,136	299
2036	3,951	706	331	429	0	0	0	0	0	0	2,125	309
2037	3,988	704	330	429	0	0	0	0	0	0	2,112	319
2038	4,024	700	329	429	0	0	0	0	0	0	2,099	329
2039	4,059	695	329	428	0	0	0	0	0	0	2,087	339
2040	4,094	689	328	428	0	0	0	0	0	0	2,075	349
2041	4,129	687	327	427	0	0	0	0	0	0	2,062	358
2042	4,163	683	327	427	0	0	0	0	0	0	2,050	368
2043	4,195	679	326	426	0	0	0	0	0	0	2,038	377
2044	4,224	673	326	426	0	0	0	0	0	0	2,026	386
2045	4,253	671	326	425	0	0	0	0	0	0	2,013	394
2046	4,282	671	326	424	0	0	0	0	0	0	2,016	402
2047	4,309	671	326	426	0	0	0	0	0	0	2,017	410
2048	4,337	671	326	427	0	0	0	0	0	0	2,019	417
2049	4,364	671	326	429	0	0	0	0	0	0	2,019	425
2050	4,390	671	326	430	0	0	0	0	0	0	2,020	432
2051	4,416	671	326	432	0	0	0	0	0	0	2,021	439
2052	4,441	671	326	433	0	0	0	0	0	0	2,023	446
2053	4,466	671	326	435	0	0	0	0	0	0	2,022	453
2054	4,499	671	326	436	0	0	0	0	0	0	2,011	474
2055	4,543	671	326	438	0	0	0	0	0	0	1,960	537
2056	4,586	671	326	440	0	0	0	0	0	0	1,963	549
2057	4,629	671	326	442	0	0	0	0	0	0	1,963	561
2058	4,670	671	326	444	0	0	0	0	0	0	1,964	573
2059	4,711	671	326	447	0	0	0	0	0	0	1,965	585
2060	4,751	671	326	449	0	0	0	0	0	0	1,967	596

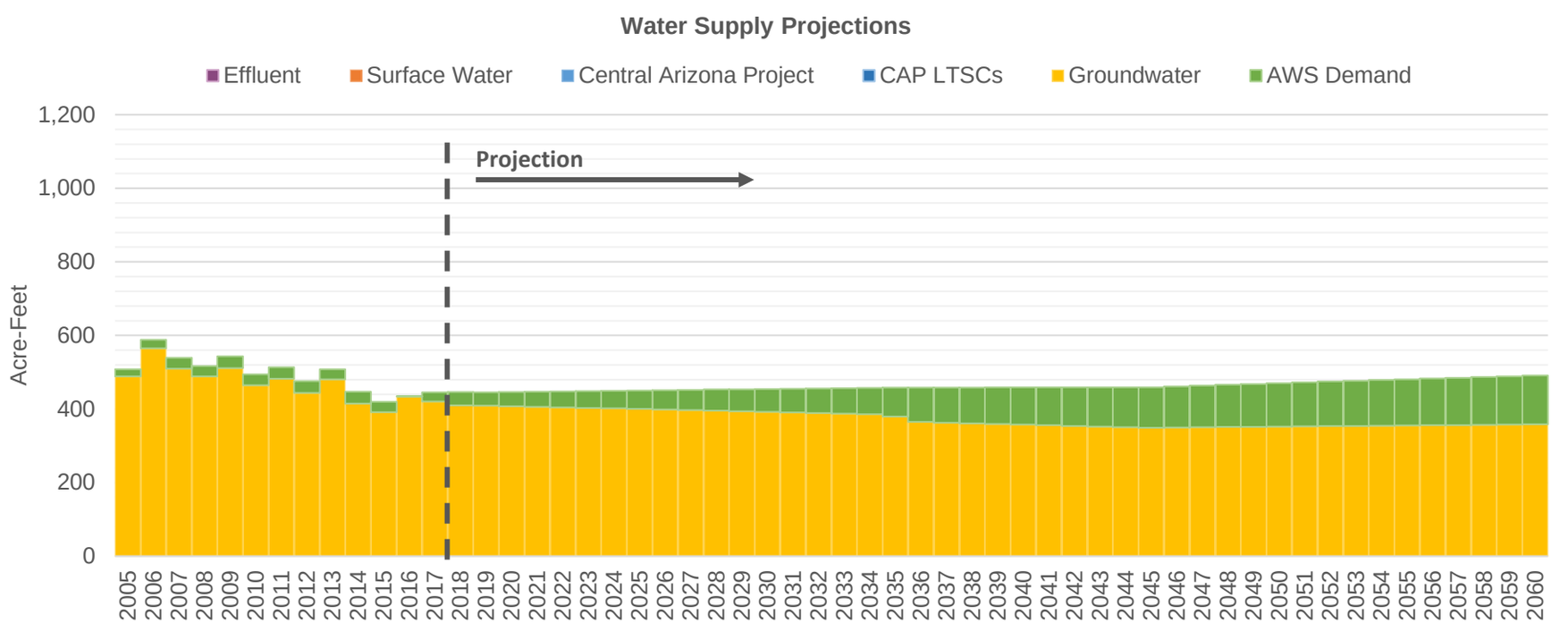
LasQuintas

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LasQuintas

B. Slow, Compact, Dry Climate [LSCRBS]

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Demand Assumptions

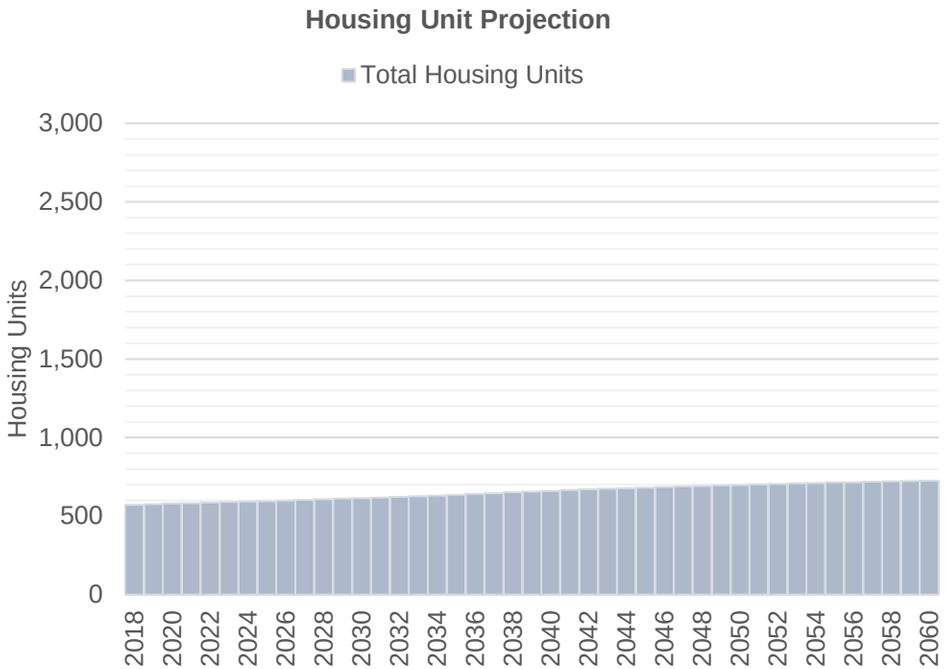
Water Supply Projections (Acre-Feet)

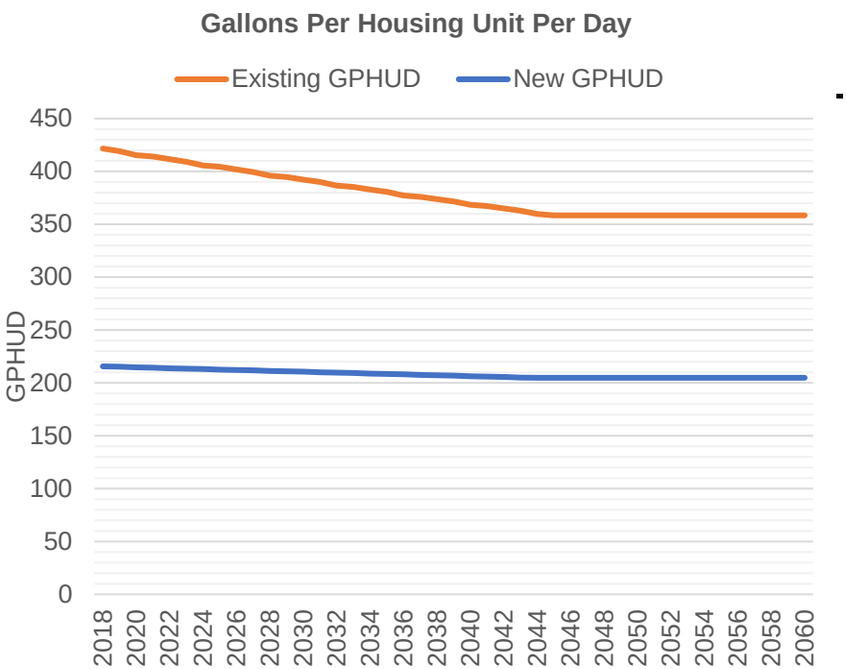
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,090	366	325	0	0	0	0	0	0	0	410	36
2019	1,099	364	325	0	0	0	0	0	0	0	409	37
2020	1,109	361	324	0	0	0	0	0	0	0	408	39
2021	1,118	359	323	0	0	0	0	0	0	0	406	41
2022	1,128	357	323	0	0	0	0	0	0	0	405	43
2023	1,137	355	322	0	0	0	0	0	0	0	403	46
2024	1,147	352	321	0	0	0	0	0	0	0	402	48
2025	1,157	351	321	0	0	0	0	0	0	0	400	50
2026	1,166	349	320	0	0	0	0	0	0	0	398	53
2027	1,176	347	320	0	0	0	0	0	0	0	397	55
2028	1,185	344	319	0	0	0	0	0	0	0	395	58
2029	1,195	343	318	0	0	0	0	0	0	0	394	60
2030	1,204	340	318	0	0	0	0	0	0	0	392	62
2031	1,213	338	317	0	0	0	0	0	0	0	391	65
2032	1,223	335	316	0	0	0	0	0	0	0	389	67
2033	1,232	334	316	0	0	0	0	0	0	0	387	69
2034	1,241	332	315	0	0	0	0	0	0	0	386	72
2035	1,249	330	314	0	0	0	0	0	0	0	380	78
2036	1,257	327	314	0	0	0	0	0	0	0	365	94
2037	1,265	326	313	0	0	0	0	0	0	0	363	96
2038	1,272	324	313	0	0	0	0	0	0	0	361	98
2039	1,280	322	312	0	0	0	0	0	0	0	359	99
2040	1,287	320	311	0	0	0	0	0	0	0	358	101
2041	1,295	319	311	0	0	0	0	0	0	0	356	103
2042	1,302	317	310	0	0	0	0	0	0	0	354	105
2043	1,309	315	309	0	0	0	0	0	0	0	352	107
2044	1,316	312	309	0	0	0	0	0	0	0	351	108
2045	1,323	311	309	0	0	0	0	0	0	0	349	110
2046	1,329	311	309	0	0	0	0	0	0	0	350	112
2047	1,336	311	309	0	0	0	0	0	0	0	350	113
2048	1,342	311	309	0	0	0	0	0	0	0	351	115
2049	1,349	311	309	0	0	0	0	0	0	0	352	116
2050	1,355	311	309	0	0	0	0	0	0	0	352	118
2051	1,361	311	309	0	0	0	0	0	0	0	353	120
2052	1,367	311	309	0	0	0	0	0	0	0	354	121
2053	1,373	311	309	0	0	0	0	0	0	0	354	123
2054	1,379	311	309	0	0	0	0	0	0	0	355	124
2055	1,385	311	309	0	0	0	0	0	0	0	355	126
2056	1,391	311	309	0	0	0	0	0	0	0	356	127
2057	1,396	311	309	0	0	0	0	0	0	0	356	128
2058	1,402	311	309	0	0	0	0	0	0	0	357	130
2059	1,407	311	309	0	0	0	0	0	0	0	357	131
2060	1,413	311	309	0	0	0	0	0	0	0	358	132

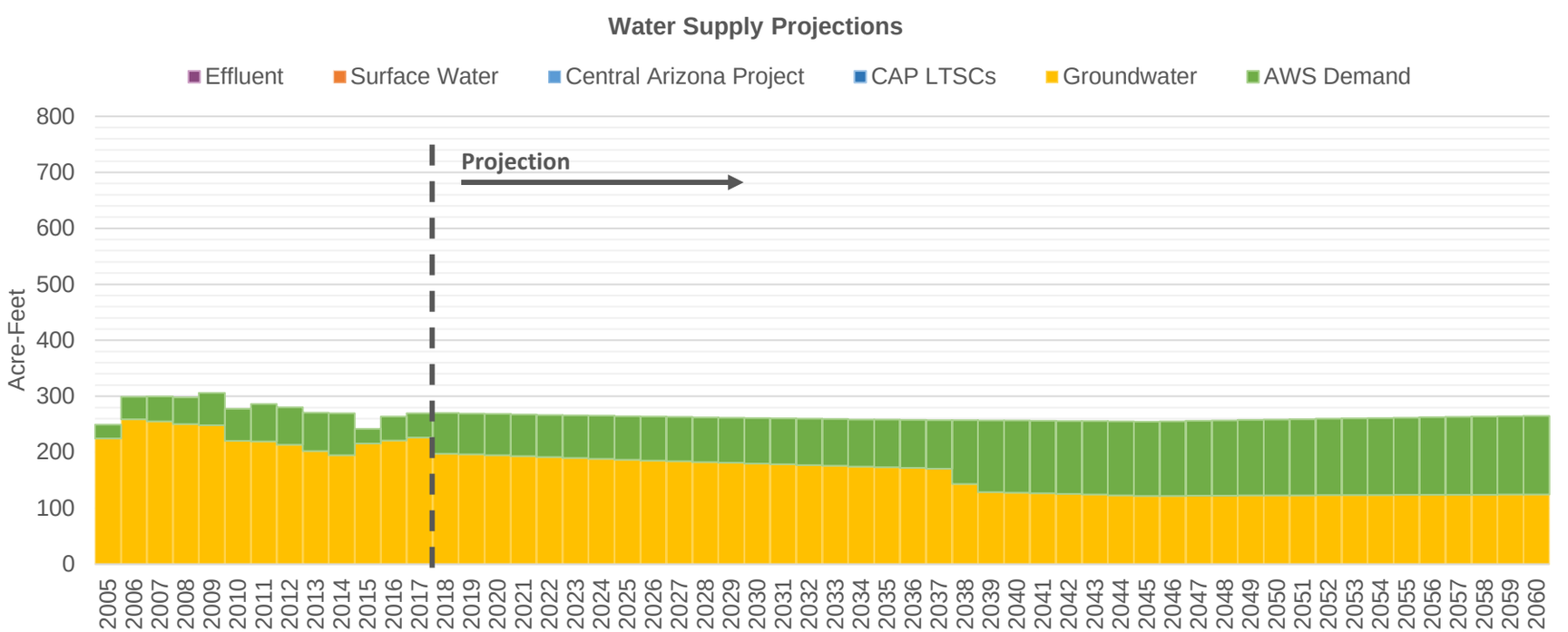
LosCerros

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LosCerros

B. Slow, Compact, Dry Climate [LSCRBS]

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Demand Assumptions **Water Supply Projections** (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	573	422	216	0	0	0	0	0	0	0	198	73
2019	576	419	215	0	0	0	0	0	0	0	196	73
2020	580	415	215	0	0	0	0	0	0	0	195	74
2021	583	414	214	0	0	0	0	0	0	0	193	75
2022	586	412	214	0	0	0	0	0	0	0	191	75
2023	590	409	213	0	0	0	0	0	0	0	190	76
2024	593	406	213	0	0	0	0	0	0	0	188	77
2025	596	404	213	0	0	0	0	0	0	0	187	78
2026	600	402	212	0	0	0	0	0	0	0	185	78
2027	604	399	212	0	0	0	0	0	0	0	184	79
2028	608	396	211	0	0	0	0	0	0	0	182	80
2029	612	395	211	0	0	0	0	0	0	0	181	81
2030	615	392	210	0	0	0	0	0	0	0	180	81
2031	619	390	210	0	0	0	0	0	0	0	178	82
2032	623	387	210	0	0	0	0	0	0	0	177	83
2033	627	385	209	0	0	0	0	0	0	0	176	83
2034	631	383	209	0	0	0	0	0	0	0	174	84
2035	636	381	208	0	0	0	0	0	0	0	173	85
2036	641	377	208	0	0	0	0	0	0	0	172	86
2037	646	376	208	0	0	0	0	0	0	0	171	87
2038	651	374	207	0	0	0	0	0	0	0	143	114
2039	656	372	207	0	0	0	0	0	0	0	129	128
2040	661	368	206	0	0	0	0	0	0	0	128	129
2041	666	367	206	0	0	0	0	0	0	0	127	130
2042	670	365	205	0	0	0	0	0	0	0	125	130
2043	675	363	205	0	0	0	0	0	0	0	124	131
2044	678	360	205	0	0	0	0	0	0	0	123	132
2045	682	358	205	0	0	0	0	0	0	0	122	132
2046	685	358	205	0	0	0	0	0	0	0	122	133
2047	689	358	205	0	0	0	0	0	0	0	122	134
2048	692	358	205	0	0	0	0	0	0	0	123	134
2049	696	358	205	0	0	0	0	0	0	0	123	135
2050	699	358	205	0	0	0	0	0	0	0	123	135
2051	702	358	205	0	0	0	0	0	0	0	123	136
2052	705	358	205	0	0	0	0	0	0	0	123	136
2053	708	358	205	0	0	0	0	0	0	0	124	137
2054	711	358	205	0	0	0	0	0	0	0	124	137
2055	714	358	205	0	0	0	0	0	0	0	124	138
2056	716	358	205	0	0	0	0	0	0	0	124	138
2057	719	358	205	0	0	0	0	0	0	0	124	139
2058	721	358	205	0	0	0	0	0	0	0	124	139
2059	723	358	205	0	0	0	0	0	0	0	124	140
2060	726	358	205	0	0	0	0	0	0	0	125	140

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]

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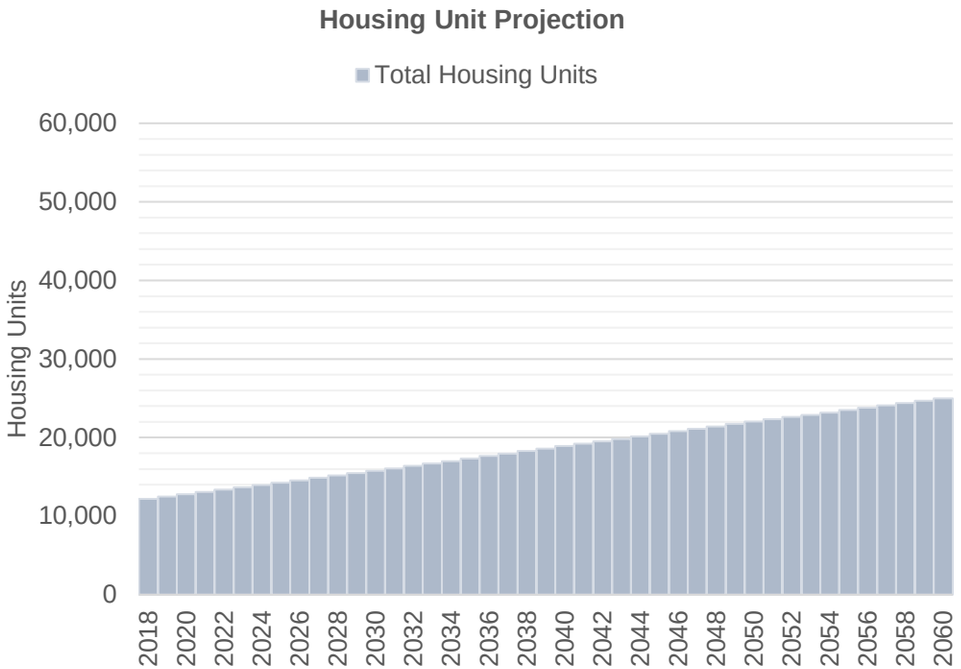

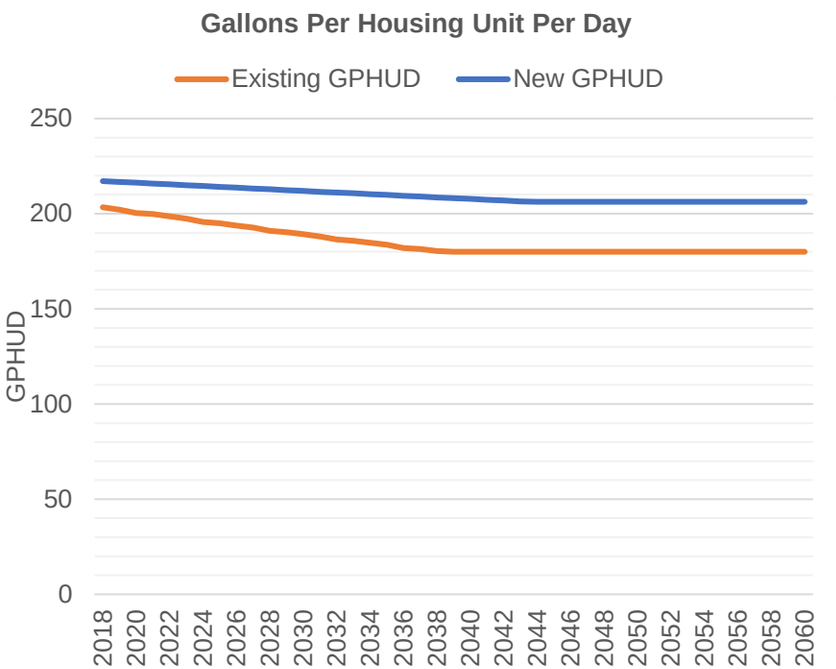

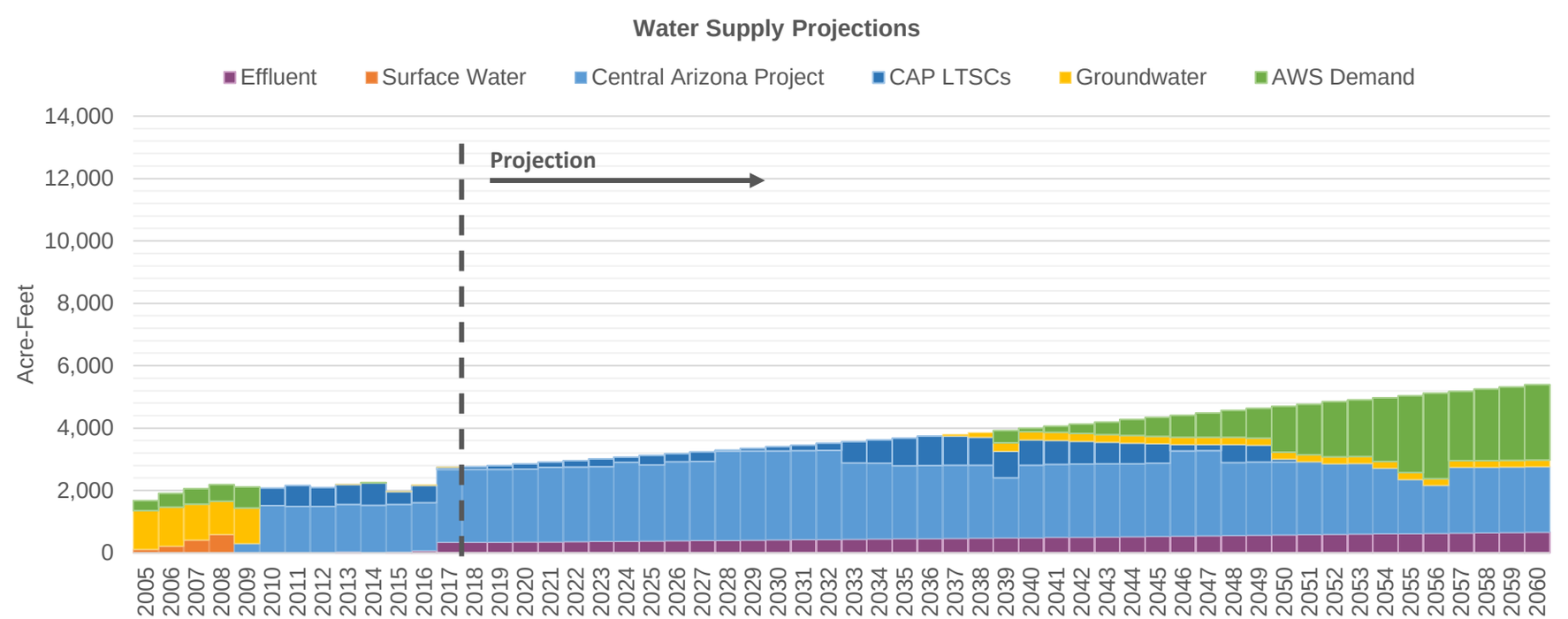

Central Arizona Project Service Area Model

Marana

B. Slow, Compact, Dry Climate [LSCRBS]

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Demand Assumptions

Water Supply Projections (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	12,194	203	217	345	0	0	0	2,336	0	84	0	0
2019	12,483	202	217	345	0	0	0	2,336	0	118	0	0
2020	12,774	200	216	349	0	0	0	2,336	0	168	0	0
2021	13,068	200	216	356	0	0	0	2,389	0	162	0	0
2022	13,364	199	215	362	0	0	0	2,392	0	207	0	0
2023	13,662	197	215	369	0	0	0	2,391	0	256	0	0
2024	13,960	196	215	376	0	0	0	2,526	0	170	0	0
2025	14,259	195	214	383	0	0	0	2,431	0	312	0	0
2026	14,560	194	214	390	0	0	0	2,533	0	258	0	0
2027	14,870	193	213	397	0	0	0	2,532	0	308	0	0
2028	15,175	191	213	404	0	0	0	2,851	0	40	0	0
2029	15,476	190	212	411	0	0	0	2,851	0	86	0	0
2030	15,773	189	212	418	0	0	0	2,851	0	134	0	0
2031	16,083	188	212	424	0	0	0	2,851	0	182	0	0
2032	16,390	186	211	431	0	0	0	2,851	0	234	0	0
2033	16,694	186	211	438	0	0	0	2,445	0	685	0	0
2034	17,007	185	210	445	0	0	0	2,431	0	748	0	0
2035	17,335	184	210	452	0	0	0	2,336	0	894	0	0
2036	17,659	182	209	459	0	0	0	2,336	0	949	0	0
2037	17,979	181	209	467	0	0	0	2,336	0	945	51	0
2038	18,295	180	209	474	0	0	0	2,336	0	898	148	0
2039	18,606	180	208	481	0	0	0	1,924	0	853	271	393
2040	18,913	180	208	489	0	0	0	2,321	0	811	265	116
2041	19,216	180	207	499	0	0	0	2,336	0	770	259	194
2042	19,514	180	207	506	0	0	0	2,336	0	732	254	297
2043	19,822	180	207	514	0	0	0	2,336	0	695	250	397
2044	20,153	180	206	523	0	0	0	2,336	0	660	246	510
2045	20,479	180	206	533	0	0	0	2,336	0	627	242	601
2046	20,800	180	206	541	0	0	0	2,726	0	206	238	703
2047	21,115	180	206	550	0	0	0	2,726	0	196	235	781
2048	21,425	180	206	560	0	0	0	2,336	0	576	232	868
2049	21,729	180	206	570	0	0	0	2,336	0	547	229	948
2050	22,028	180	206	577	0	0	0	2,336	0	93	227	1,467
2051	22,320	180	206	586	0	0	0	2,336	0	0	225	1,621
2052	22,608	180	206	595	0	0	0	2,261	0	0	223	1,770
2053	22,889	180	206	605	0	0	0	2,261	0	0	222	1,814
2054	23,183	180	206	611	0	0	0	2,098	0	0	220	2,038
2055	23,497	180	206	619	0	0	0	1,734	0	0	219	2,466
2056	23,805	180	206	628	0	0	0	1,531	0	0	218	2,746
2057	24,107	180	206	639	0	0	0	2,098	0	0	217	2,225
2058	24,401	180	206	646	0	0	0	2,098	0	0	216	2,288
2059	24,690	180	206	655	0	0	0	2,098	0	0	216	2,347
2060	24,971	180	206	663	0	0	0	2,098	0	0	216	2,420

Central Arizona Project Service Area Model

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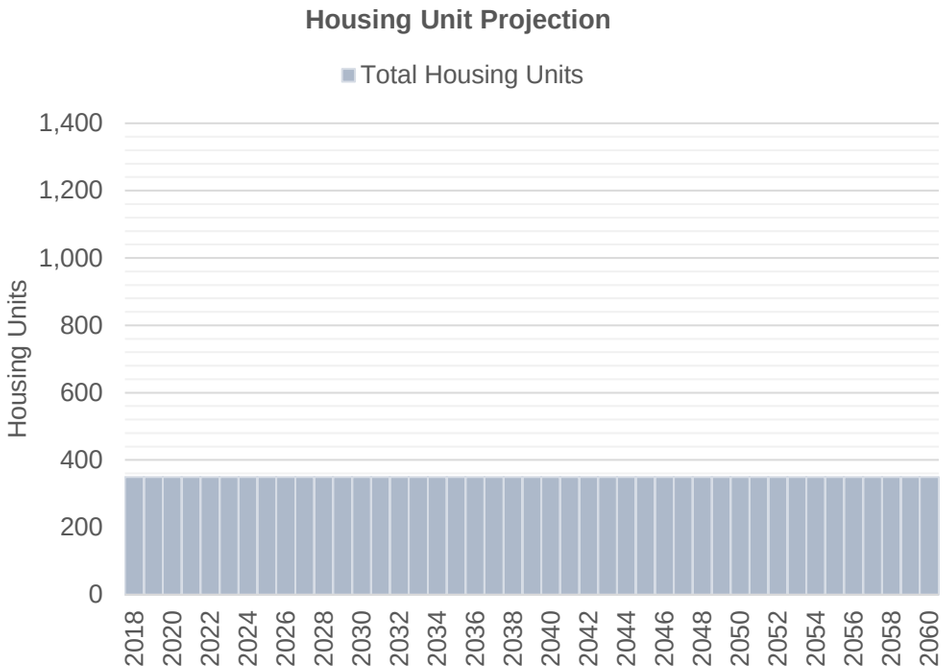
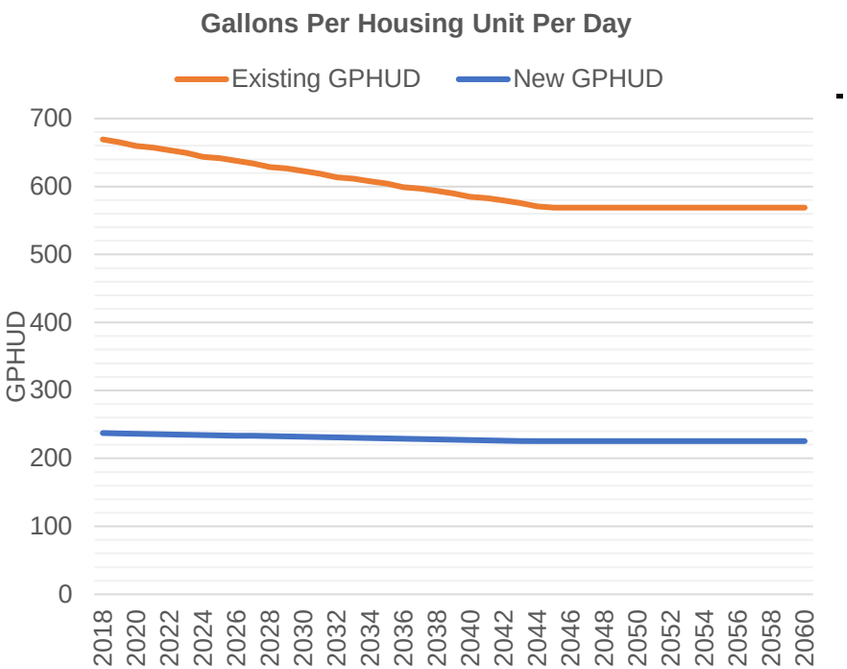
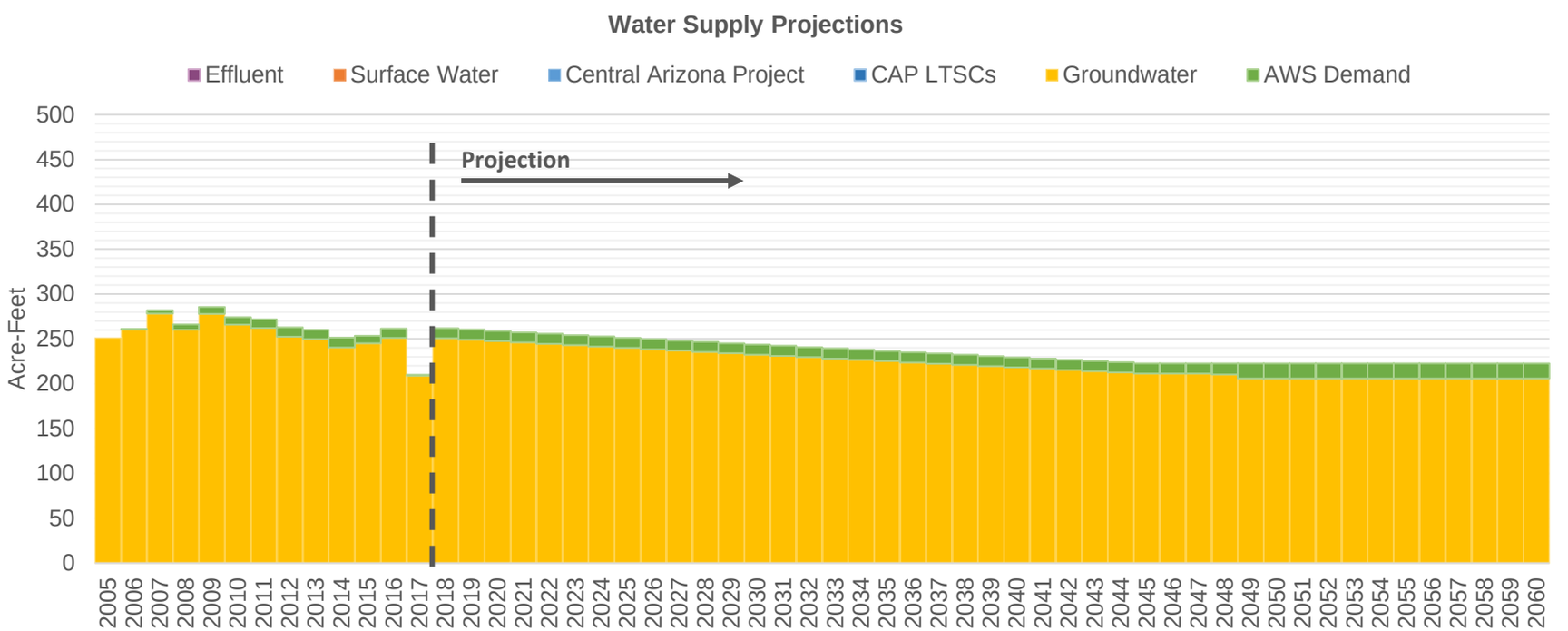
B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

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B. Slow, Compact, Dry Climate [LSCRBS]

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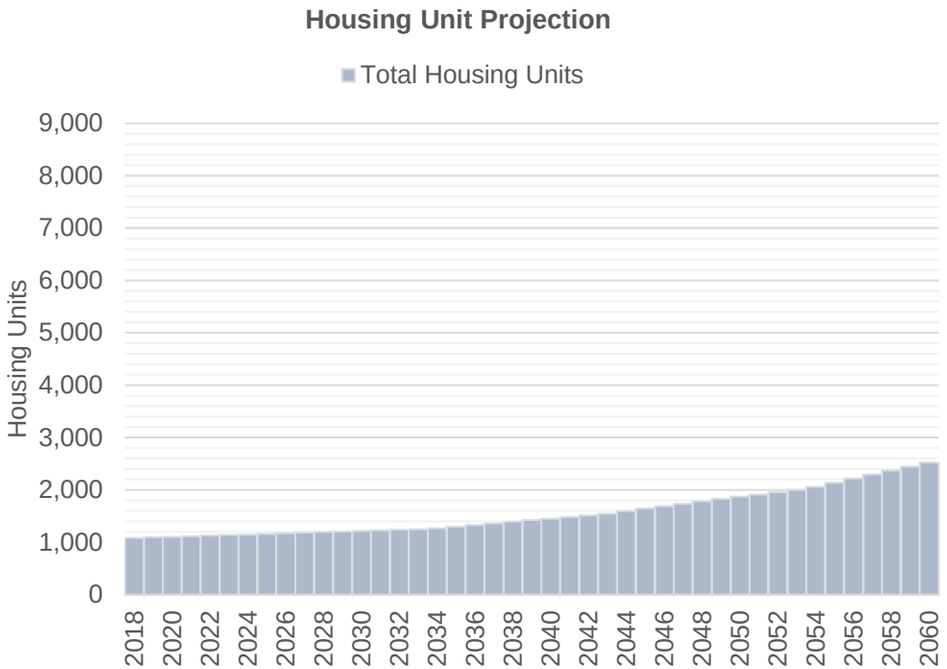
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

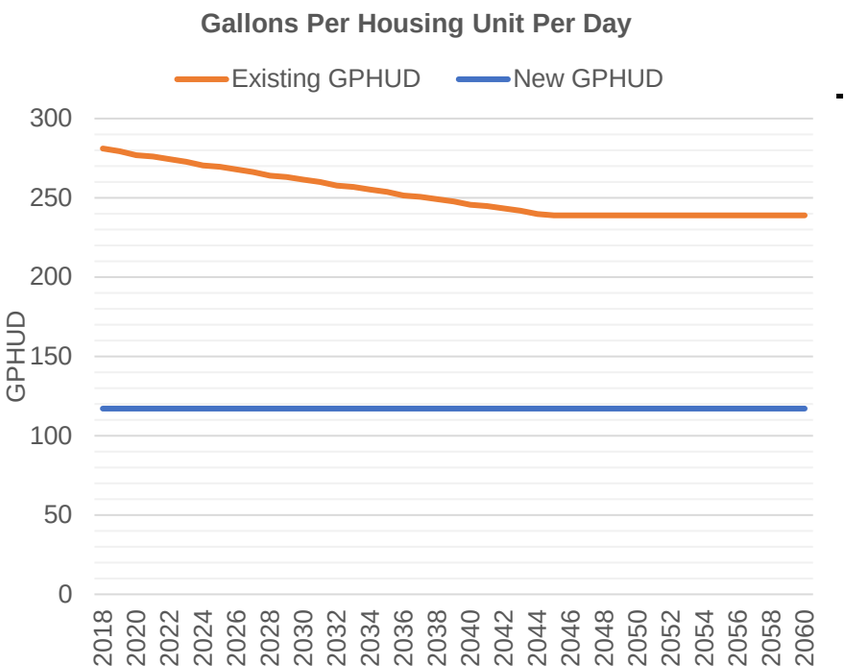
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	349	669	237	0	0	0	0	0	0	0	251	11
2019	349	665	237	0	0	0	0	0	0	0	249	11
2020	349	659	236	0	0	0	0	0	0	0	248	11
2021	349	657	236	0	0	0	0	0	0	0	246	11
2022	349	653	235	0	0	0	0	0	0	0	245	11
2023	349	649	235	0	0	0	0	0	0	0	243	11
2024	349	644	234	0	0	0	0	0	0	0	241	11
2025	349	642	234	0	0	0	0	0	0	0	240	11
2026	349	638	234	0	0	0	0	0	0	0	238	11
2027	349	634	233	0	0	0	0	0	0	0	237	11
2028	349	628	233	0	0	0	0	0	0	0	235	11
2029	349	626	232	0	0	0	0	0	0	0	234	11
2030	349	623	232	0	0	0	0	0	0	0	232	11
2031	349	619	231	0	0	0	0	0	0	0	231	11
2032	349	614	231	0	0	0	0	0	0	0	230	11
2033	349	612	230	0	0	0	0	0	0	0	228	11
2034	349	608	230	0	0	0	0	0	0	0	227	11
2035	349	604	229	0	0	0	0	0	0	0	225	11
2036	349	599	229	0	0	0	0	0	0	0	224	11
2037	349	597	228	0	0	0	0	0	0	0	222	11
2038	349	593	228	0	0	0	0	0	0	0	221	11
2039	349	590	228	0	0	0	0	0	0	0	220	11
2040	349	585	227	0	0	0	0	0	0	0	218	11
2041	349	583	227	0	0	0	0	0	0	0	217	11
2042	349	579	226	0	0	0	0	0	0	0	216	11
2043	349	576	226	0	0	0	0	0	0	0	214	11
2044	349	571	225	0	0	0	0	0	0	0	213	11
2045	349	569	225	0	0	0	0	0	0	0	211	11
2046	349	569	225	0	0	0	0	0	0	0	211	11
2047	349	569	225	0	0	0	0	0	0	0	211	11
2048	349	569	225	0	0	0	0	0	0	0	210	12
2049	349	569	225	0	0	0	0	0	0	0	206	17
2050	349	569	225	0	0	0	0	0	0	0	206	17
2051	349	569	225	0	0	0	0	0	0	0	206	17
2052	349	569	225	0	0	0	0	0	0	0	206	17
2053	349	569	225	0	0	0	0	0	0	0	206	17
2054	349	569	225	0	0	0	0	0	0	0	206	17
2055	349	569	225	0	0	0	0	0	0	0	206	17
2056	349	569	225	0	0	0	0	0	0	0	206	17
2057	349	569	225	0	0	0	0	0	0	0	206	17
2058	349	569	225	0	0	0	0	0	0	0	206	17
2059	349	569	225	0	0	0	0	0	0	0	206	17
2060	349	569	225	0	0	0	0	0	0	0	206	17

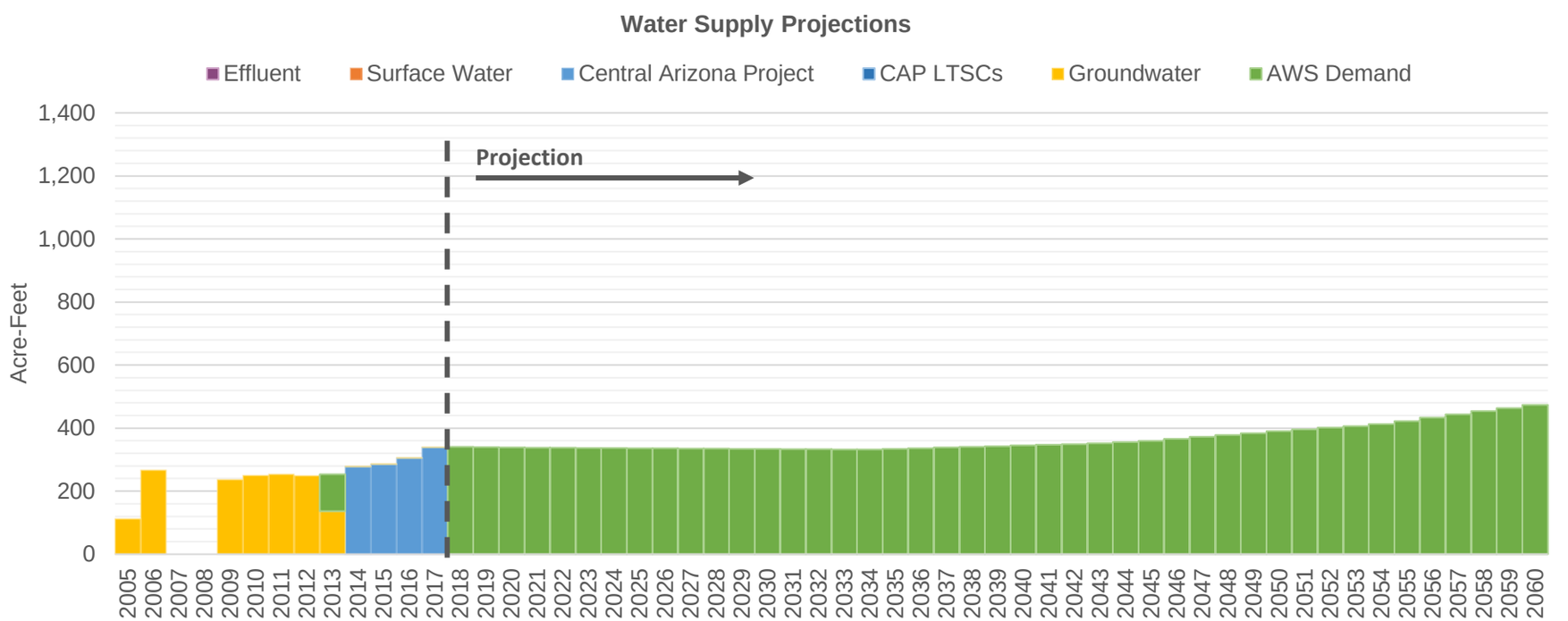
MetroDiablo

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroDiablo

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

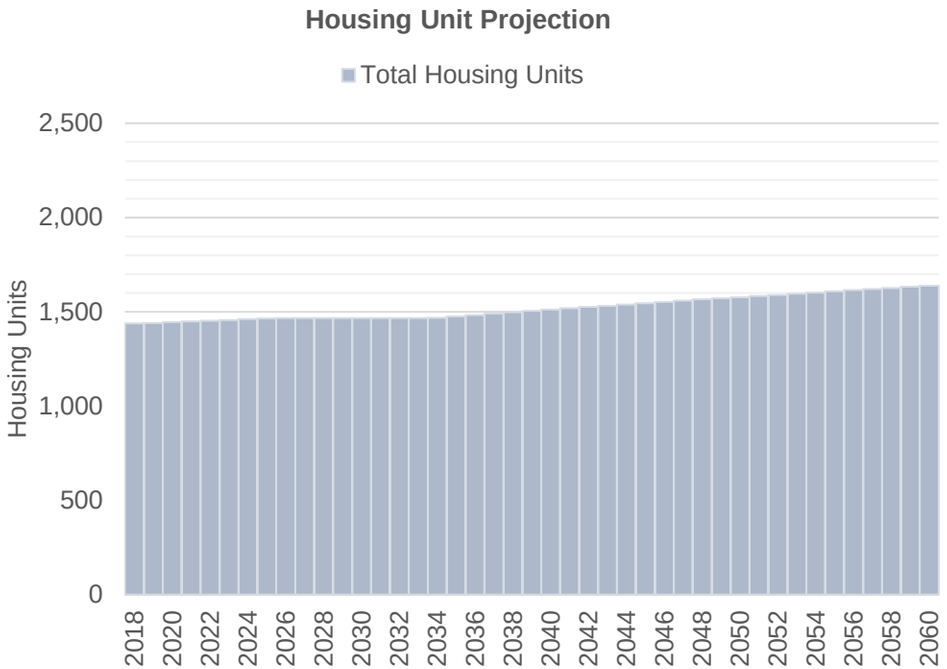
Water Supply Projections (Acre-Feet)

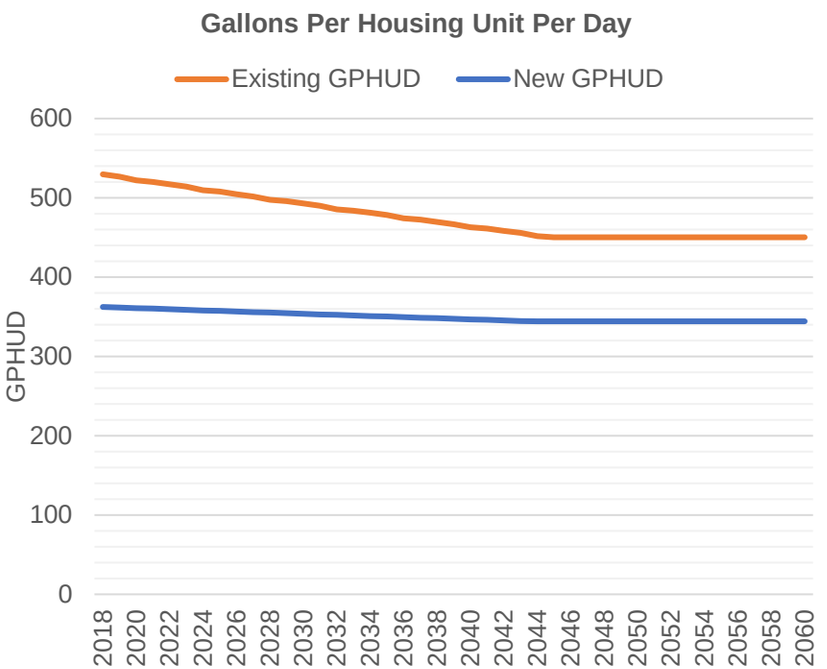
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,085	281	117	0	0	0	0	0	0	0	0	340
2019	1,096	279	117	0	0	0	0	0	0	0	0	339
2020	1,107	277	117	0	0	0	0	0	0	0	0	339
2021	1,118	276	117	0	0	0	0	0	0	0	0	338
2022	1,129	274	117	0	0	0	0	0	0	0	0	338
2023	1,140	273	117	0	0	0	0	0	0	0	0	337
2024	1,151	270	117	0	0	0	0	0	0	0	0	337
2025	1,163	270	117	0	0	0	0	0	0	0	0	336
2026	1,174	268	117	0	0	0	0	0	0	0	0	336
2027	1,185	266	117	0	0	0	0	0	0	0	0	335
2028	1,196	264	117	0	0	0	0	0	0	0	0	335
2029	1,207	263	117	0	0	0	0	0	0	0	0	334
2030	1,218	262	117	0	0	0	0	0	0	0	0	334
2031	1,229	260	117	0	0	0	0	0	0	0	0	333
2032	1,240	258	117	0	0	0	0	0	0	0	0	333
2033	1,251	257	117	0	0	0	0	0	0	0	0	332
2034	1,270	255	117	0	0	0	0	0	0	0	0	333
2035	1,302	254	117	0	0	0	0	0	0	0	0	334
2036	1,333	252	117	0	0	0	0	0	0	0	0	336
2037	1,364	251	117	0	0	0	0	0	0	0	0	339
2038	1,395	249	117	0	0	0	0	0	0	0	0	341
2039	1,425	248	117	0	0	0	0	0	0	0	0	343
2040	1,454	246	117	0	0	0	0	0	0	0	0	345
2041	1,483	245	117	0	0	0	0	0	0	0	0	347
2042	1,512	243	117	0	0	0	0	0	0	0	0	349
2043	1,547	242	117	0	0	0	0	0	0	0	0	352
2044	1,596	240	117	0	0	0	0	0	0	0	0	355
2045	1,644	239	117	0	0	0	0	0	0	0	0	360
2046	1,691	239	117	0	0	0	0	0	0	0	0	366
2047	1,737	239	117	0	0	0	0	0	0	0	0	372
2048	1,783	239	117	0	0	0	0	0	0	0	0	378
2049	1,827	239	117	0	0	0	0	0	0	0	0	384
2050	1,871	239	117	0	0	0	0	0	0	0	0	390
2051	1,914	239	117	0	0	0	0	0	0	0	0	396
2052	1,956	239	117	0	0	0	0	0	0	0	0	402
2053	1,998	239	117	0	0	0	0	0	0	0	0	407
2054	2,055	239	117	0	0	0	0	0	0	0	0	413
2055	2,138	239	117	0	0	0	0	0	0	0	0	422
2056	2,218	239	117	0	0	0	0	0	0	0	0	433
2057	2,297	239	117	0	0	0	0	0	0	0	0	444
2058	2,375	239	117	0	0	0	0	0	0	0	0	454
2059	2,450	239	117	0	0	0	0	0	0	0	0	464
2060	2,524	239	117	0	0	0	0	0	0	0	0	474

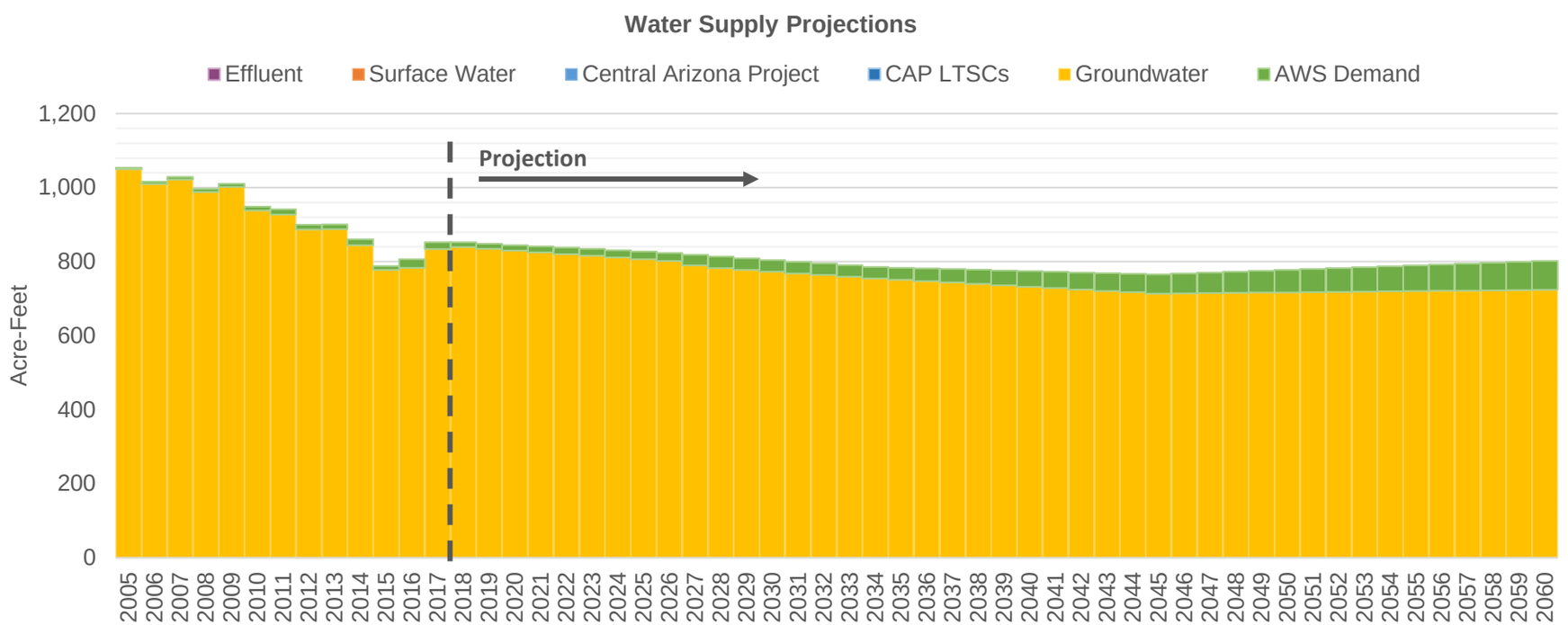
MetroHub

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroHub

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

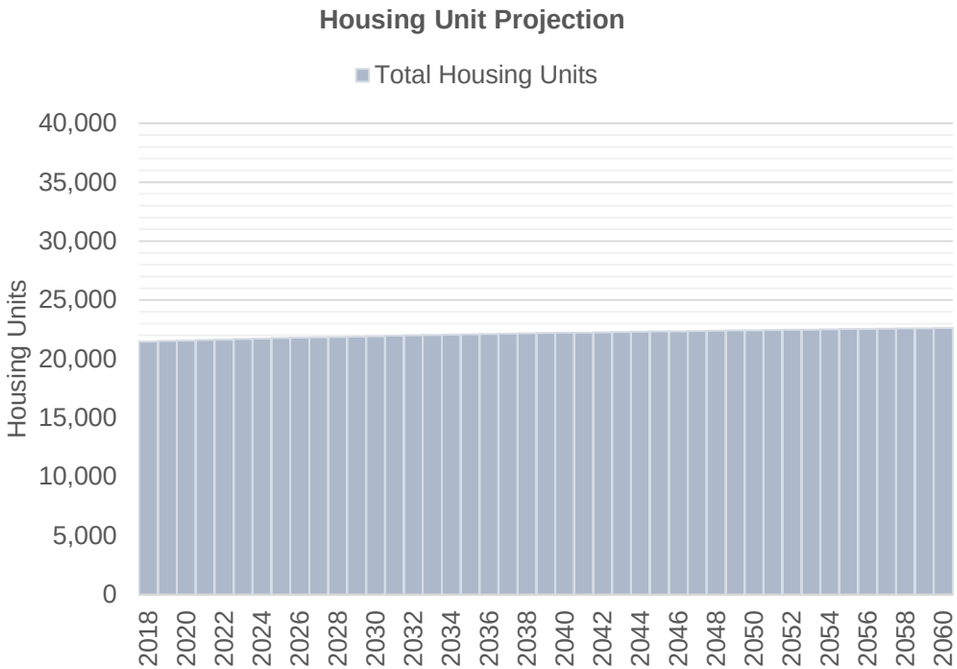
Water Supply Projections (Acre-Feet)

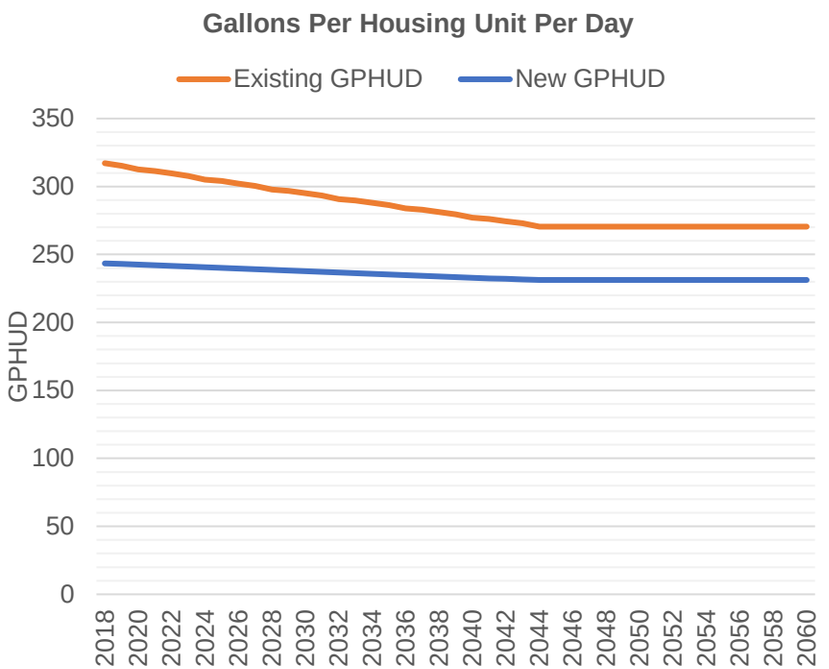
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,438	530	362	0	0	0	0	0	0	0	839	13
2019	1,441	527	362	0	0	0	0	0	0	0	834	14
2020	1,445	522	361	0	0	0	0	0	0	0	830	15
2021	1,449	520	360	0	0	0	0	0	0	0	825	16
2022	1,453	517	360	0	0	0	0	0	0	0	821	17
2023	1,457	514	359	0	0	0	0	0	0	0	816	18
2024	1,461	510	358	0	0	0	0	0	0	0	811	20
2025	1,465	508	357	0	0	0	0	0	0	0	807	21
2026	1,466	505	357	0	0	0	0	0	0	0	802	22
2027	1,466	502	356	0	0	0	0	0	0	0	790	29
2028	1,466	497	355	0	0	0	0	0	0	0	783	31
2029	1,466	496	355	0	0	0	0	0	0	0	778	31
2030	1,466	493	354	0	0	0	0	0	0	0	773	31
2031	1,466	490	353	0	0	0	0	0	0	0	768	31
2032	1,466	486	352	0	0	0	0	0	0	0	764	31
2033	1,466	484	352	0	0	0	0	0	0	0	759	31
2034	1,468	481	351	0	0	0	0	0	0	0	755	31
2035	1,476	478	350	0	0	0	0	0	0	0	751	32
2036	1,483	474	350	0	0	0	0	0	0	0	748	34
2037	1,491	472	349	0	0	0	0	0	0	0	744	36
2038	1,498	470	348	0	0	0	0	0	0	0	740	38
2039	1,505	467	347	0	0	0	0	0	0	0	736	40
2040	1,512	463	347	0	0	0	0	0	0	0	732	42
2041	1,519	461	346	0	0	0	0	0	0	0	728	44
2042	1,526	458	345	0	0	0	0	0	0	0	725	46
2043	1,532	456	345	0	0	0	0	0	0	0	721	48
2044	1,539	452	344	0	0	0	0	0	0	0	717	50
2045	1,546	450	344	0	0	0	0	0	0	0	714	52
2046	1,553	450	344	0	0	0	0	0	0	0	714	54
2047	1,559	450	344	0	0	0	0	0	0	0	715	56
2048	1,566	450	344	0	0	0	0	0	0	0	716	57
2049	1,572	450	344	0	0	0	0	0	0	0	716	59
2050	1,578	450	344	0	0	0	0	0	0	0	717	61
2051	1,584	450	344	0	0	0	0	0	0	0	718	62
2052	1,590	450	344	0	0	0	0	0	0	0	718	64
2053	1,596	450	344	0	0	0	0	0	0	0	719	66
2054	1,602	450	344	0	0	0	0	0	0	0	720	67
2055	1,609	450	344	0	0	0	0	0	0	0	720	69
2056	1,615	450	344	0	0	0	0	0	0	0	721	71
2057	1,621	450	344	0	0	0	0	0	0	0	722	73
2058	1,627	450	344	0	0	0	0	0	0	0	722	74
2059	1,633	450	344	0	0	0	0	0	0	0	723	76
2060	1,639	450	344	0	0	0	0	0	0	0	724	78

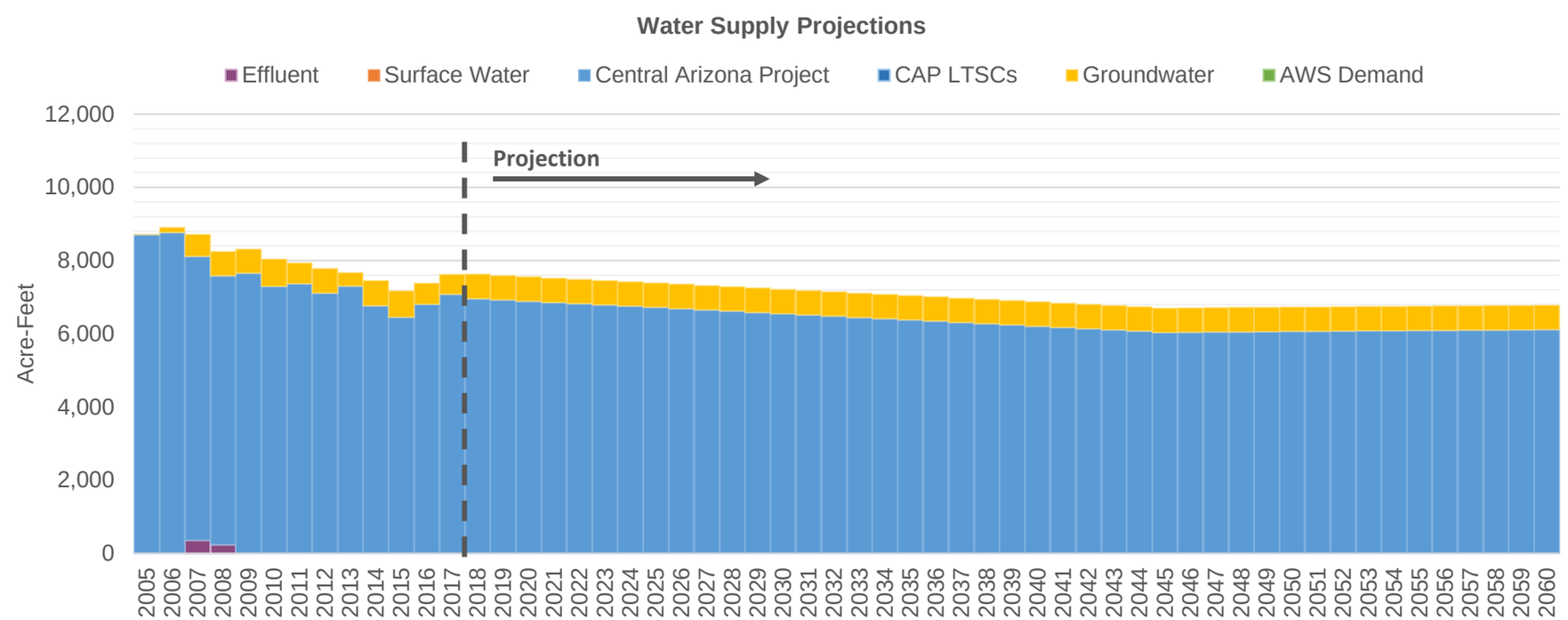
MetroMain

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroMain

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

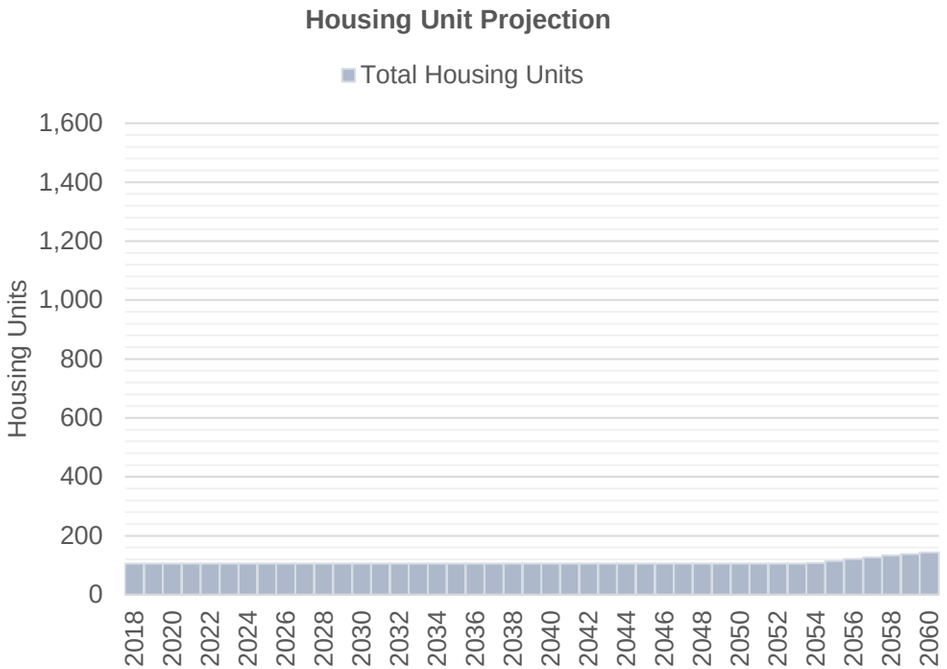
Water Supply Projections (Acre-Feet)

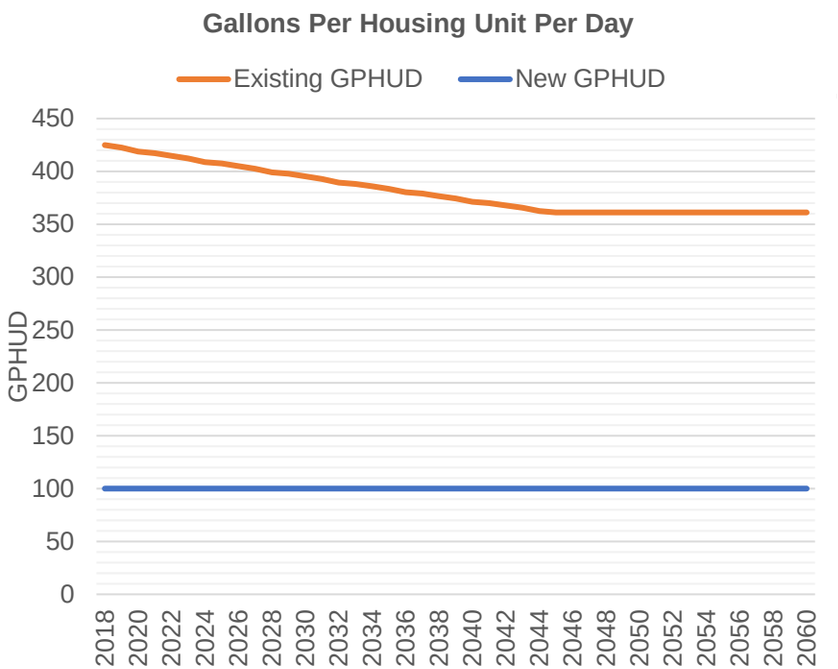
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	21,487	317	243	0	0	0	0	6,962	6,498	0	668	0
2019	21,527	315	243	0	0	0	0	6,924	6,536	0	668	0
2020	21,568	313	242	0	0	0	0	6,889	6,571	0	668	0
2021	21,610	311	242	0	0	0	0	6,855	6,605	0	668	0
2022	21,651	310	241	0	0	0	0	6,822	6,638	0	668	0
2023	21,693	308	241	0	0	0	0	6,788	6,672	0	668	0
2024	21,735	305	241	0	0	0	0	6,755	6,705	0	668	0
2025	21,777	304	240	0	0	0	0	6,722	6,738	0	668	0
2026	21,813	302	240	0	0	0	0	6,688	6,772	0	668	0
2027	21,845	300	239	0	0	0	0	6,654	6,806	0	668	0
2028	21,878	298	239	0	0	0	0	6,619	6,841	0	668	0
2029	21,909	297	238	0	0	0	0	6,584	6,876	0	668	0
2030	21,940	295	238	0	0	0	0	6,549	6,911	0	668	0
2031	21,973	293	237	0	0	0	0	6,515	6,945	0	668	0
2032	22,005	291	237	0	0	0	0	6,481	6,979	0	668	0
2033	22,037	290	236	0	0	0	0	6,447	7,013	0	668	0
2034	22,067	288	236	0	0	0	0	6,413	7,047	0	668	0
2035	22,094	286	235	0	0	0	0	6,379	7,081	0	668	0
2036	22,120	284	235	0	0	0	0	6,345	7,115	0	668	0
2037	22,146	283	234	0	0	0	0	6,310	7,150	0	668	0
2038	22,171	281	234	0	0	0	0	6,275	7,185	0	668	0
2039	22,197	280	233	0	0	0	0	6,241	4,845	0	668	0
2040	22,222	277	233	0	0	0	0	6,207	7,165	0	668	0
2041	22,246	276	232	0	0	0	0	6,173	7,287	0	668	0
2042	22,270	275	232	0	0	0	0	6,139	7,321	0	668	0
2043	22,294	273	232	0	0	0	0	6,105	7,355	0	668	0
2044	22,316	270	231	0	0	0	0	6,072	7,388	0	668	0
2045	22,338	270	231	0	0	0	0	6,038	7,422	0	668	0
2046	22,359	270	231	0	0	0	0	6,043	7,417	0	668	0
2047	22,381	270	231	0	0	0	0	6,049	7,411	0	668	0
2048	22,401	270	231	0	0	0	0	6,055	7,405	0	668	0
2049	22,422	270	231	0	0	0	0	6,059	7,401	0	668	0
2050	22,442	270	231	0	0	0	0	6,065	7,395	0	668	0
2051	22,461	270	231	0	0	0	0	6,070	7,390	0	668	0
2052	22,481	270	231	0	0	0	0	6,076	6,949	0	668	0
2053	22,499	270	231	0	0	0	0	6,080	6,945	0	668	0
2054	22,518	270	231	0	0	0	0	6,085	6,007	0	668	0
2055	22,535	270	231	0	0	0	0	6,089	3,901	0	668	0
2056	22,553	270	231	0	0	0	0	6,095	2,728	0	668	0
2057	22,570	270	231	0	0	0	0	6,098	5,993	0	668	0
2058	22,586	270	231	0	0	0	0	6,103	5,989	0	668	0
2059	22,602	270	231	0	0	0	0	6,107	5,985	0	668	0
2060	22,618	270	231	0	0	0	0	6,112	5,980	0	668	0

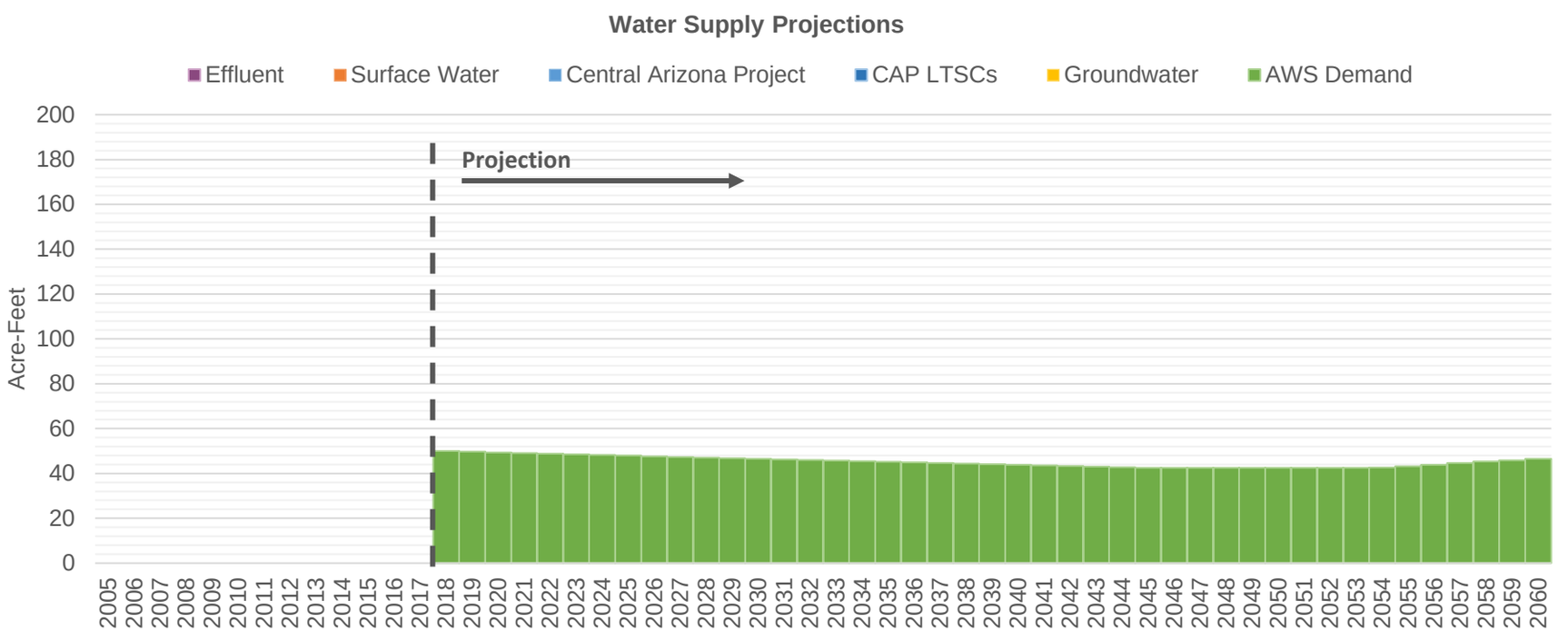
MetroWest

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroWest

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

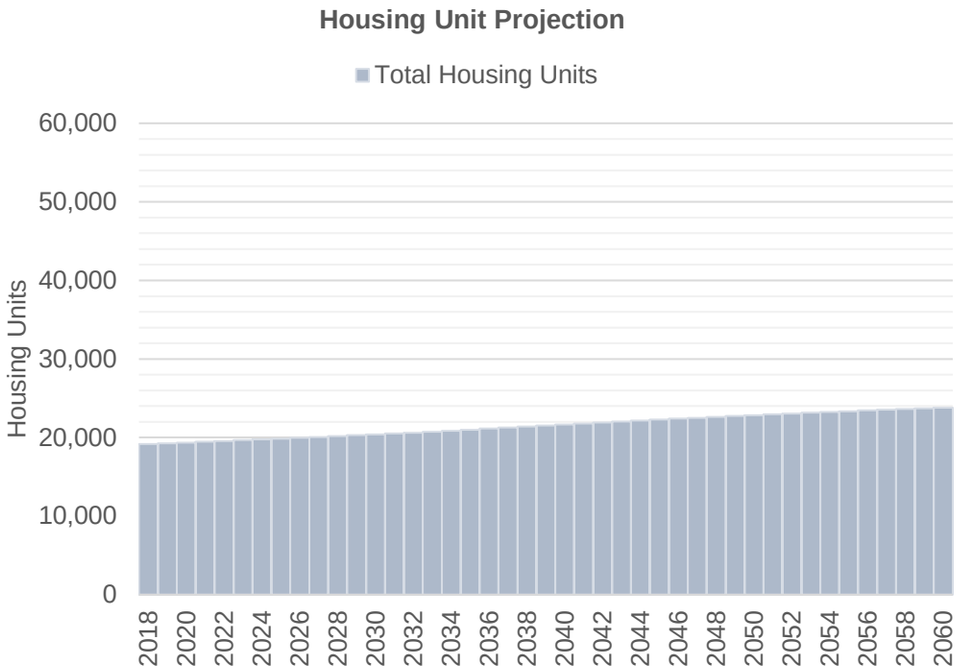
Water Supply Projections (Acre-Feet)

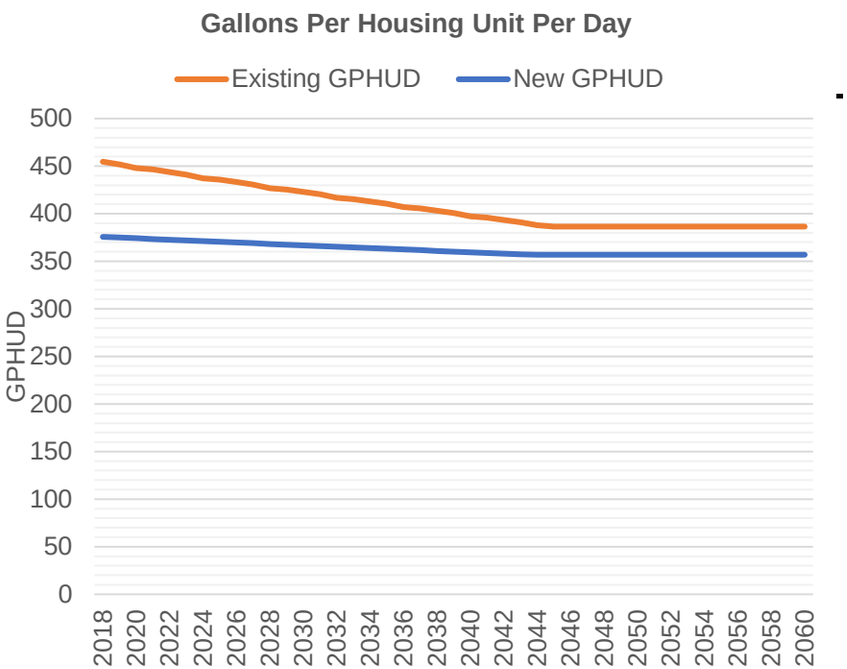
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	105	425	100	0	0	0	0	0	0	0	0	50
2019	105	422	100	0	0	0	0	0	0	0	0	50
2020	105	419	100	0	0	0	0	0	0	0	0	49
2021	105	417	100	0	0	0	0	0	0	0	0	49
2022	105	415	100	0	0	0	0	0	0	0	0	49
2023	105	412	100	0	0	0	0	0	0	0	0	49
2024	105	409	100	0	0	0	0	0	0	0	0	48
2025	105	407	100	0	0	0	0	0	0	0	0	48
2026	105	405	100	0	0	0	0	0	0	0	0	48
2027	105	403	100	0	0	0	0	0	0	0	0	47
2028	105	399	100	0	0	0	0	0	0	0	0	47
2029	105	398	100	0	0	0	0	0	0	0	0	47
2030	105	395	100	0	0	0	0	0	0	0	0	47
2031	105	393	100	0	0	0	0	0	0	0	0	46
2032	105	390	100	0	0	0	0	0	0	0	0	46
2033	105	388	100	0	0	0	0	0	0	0	0	46
2034	105	386	100	0	0	0	0	0	0	0	0	45
2035	105	384	100	0	0	0	0	0	0	0	0	45
2036	105	380	100	0	0	0	0	0	0	0	0	45
2037	105	379	100	0	0	0	0	0	0	0	0	45
2038	105	377	100	0	0	0	0	0	0	0	0	44
2039	105	374	100	0	0	0	0	0	0	0	0	44
2040	105	371	100	0	0	0	0	0	0	0	0	44
2041	105	370	100	0	0	0	0	0	0	0	0	44
2042	105	368	100	0	0	0	0	0	0	0	0	43
2043	105	366	100	0	0	0	0	0	0	0	0	43
2044	105	362	100	0	0	0	0	0	0	0	0	43
2045	105	361	100	0	0	0	0	0	0	0	0	43
2046	105	361	100	0	0	0	0	0	0	0	0	43
2047	105	361	100	0	0	0	0	0	0	0	0	43
2048	105	361	100	0	0	0	0	0	0	0	0	43
2049	105	361	100	0	0	0	0	0	0	0	0	43
2050	105	361	100	0	0	0	0	0	0	0	0	43
2051	105	361	100	0	0	0	0	0	0	0	0	43
2052	105	361	100	0	0	0	0	0	0	0	0	43
2053	105	361	100	0	0	0	0	0	0	0	0	43
2054	108	361	100	0	0	0	0	0	0	0	0	43
2055	114	361	100	0	0	0	0	0	0	0	0	43
2056	121	361	100	0	0	0	0	0	0	0	0	44
2057	127	361	100	0	0	0	0	0	0	0	0	45
2058	133	361	100	0	0	0	0	0	0	0	0	45
2059	138	361	100	0	0	0	0	0	0	0	0	46
2060	144	361	100	0	0	0	0	0	0	0	0	47

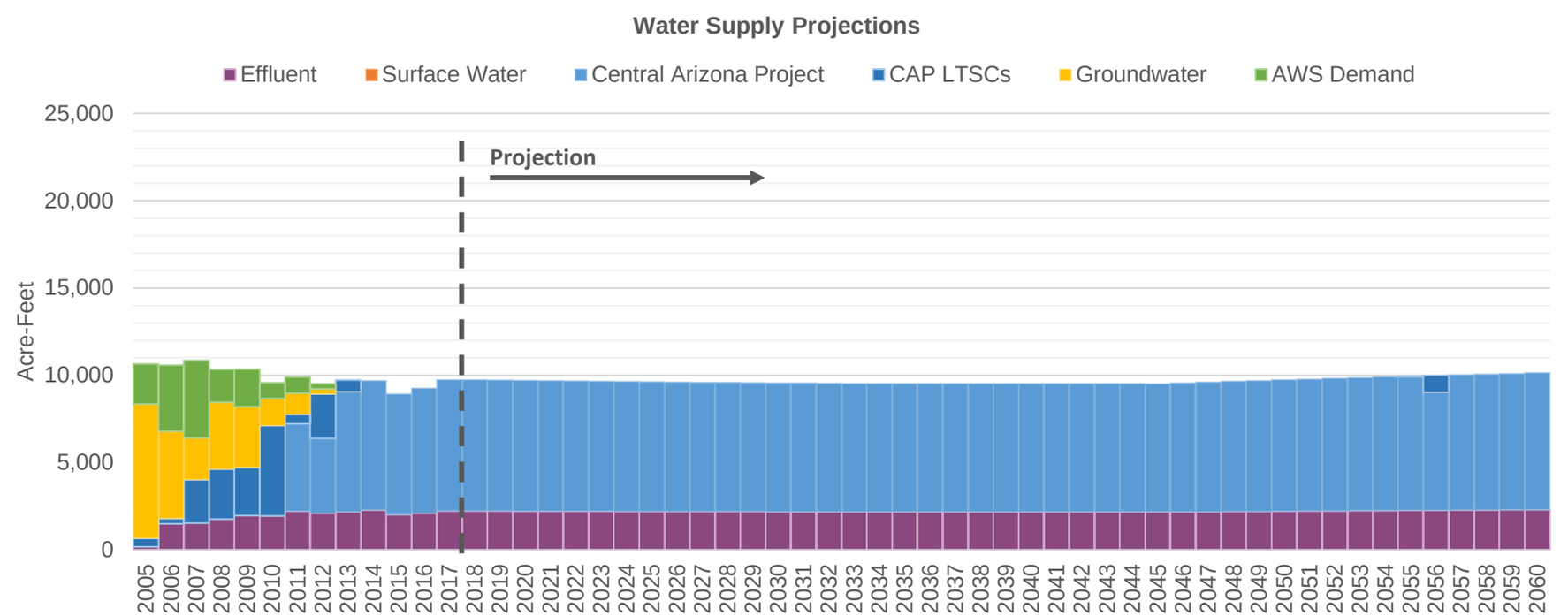
OroValley

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

OroValley

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

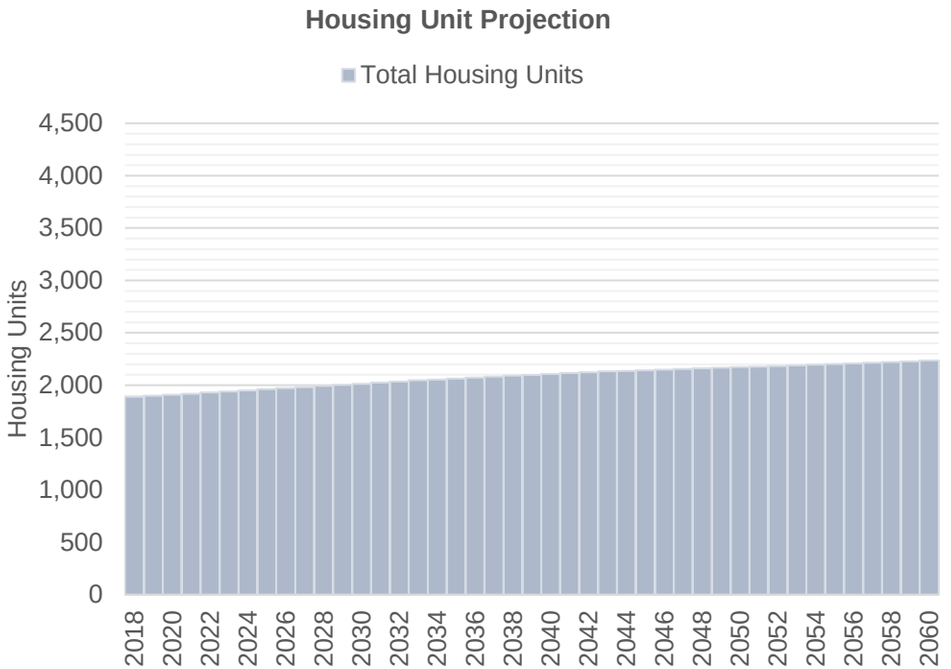
Water Supply Projections (Acre-Feet)

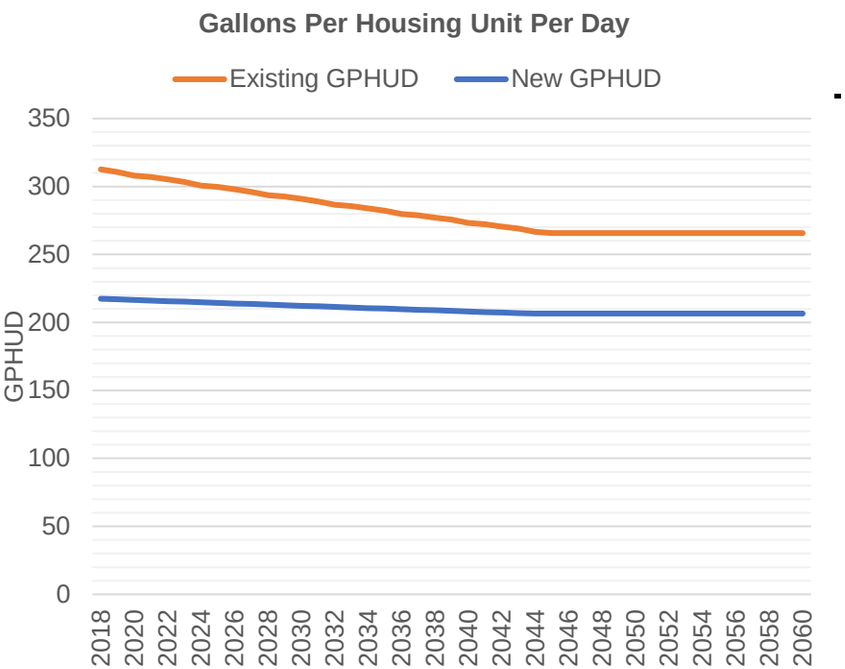
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	19,174	455	376	2,232	0	0	0	7,520	2,785	0	0	0
2019	19,271	452	375	2,232	0	0	0	7,491	2,814	0	0	0
2020	19,368	448	374	2,225	0	0	0	7,481	2,824	0	0	0
2021	19,467	447	373	2,221	0	0	0	7,467	2,838	0	0	0
2022	19,566	444	373	2,217	0	0	0	7,455	2,850	0	0	0
2023	19,666	441	372	2,214	0	0	0	7,442	2,863	0	0	0
2024	19,766	437	371	2,210	0	0	0	7,431	2,874	0	0	0
2025	19,866	436	370	2,207	0	0	0	7,419	2,886	0	0	0
2026	19,971	433	370	2,203	0	0	0	7,408	2,897	0	0	0
2027	20,082	431	369	2,200	0	0	0	7,400	2,905	0	0	0
2028	20,192	427	368	2,197	0	0	0	7,393	2,912	0	0	0
2029	20,300	426	367	2,195	0	0	0	7,383	2,922	0	0	0
2030	20,407	423	367	2,192	0	0	0	7,374	2,931	0	0	0
2031	20,519	420	366	2,190	0	0	0	7,366	2,939	0	0	0
2032	20,629	417	365	2,187	0	0	0	7,361	2,944	0	0	0
2033	20,738	415	365	2,185	0	0	0	7,351	2,954	0	0	0
2034	20,859	413	364	2,183	0	0	0	7,346	2,959	0	0	0
2035	20,999	410	363	2,181	0	0	0	7,346	2,959	0	0	0
2036	21,137	407	362	2,180	0	0	0	7,351	2,954	0	0	0
2037	21,273	406	362	2,181	0	0	0	7,349	2,956	0	0	0
2038	21,408	403	361	2,181	0	0	0	7,350	2,955	0	0	0
2039	21,540	401	360	2,181	0	0	0	7,351	1,137	0	0	0
2040	21,671	397	359	2,182	0	0	0	7,352	2,885	0	0	0
2041	21,800	396	359	2,182	0	0	0	7,348	2,957	0	0	0
2042	21,927	394	358	2,181	0	0	0	7,348	2,957	0	0	0
2043	22,050	391	357	2,181	0	0	0	7,345	2,960	0	0	0
2044	22,170	388	357	2,180	0	0	0	7,346	2,959	0	0	0
2045	22,287	386	357	2,180	0	0	0	7,340	2,965	0	0	0
2046	22,403	386	357	2,179	0	0	0	7,387	2,918	0	0	0
2047	22,516	386	357	2,190	0	0	0	7,423	2,882	0	0	0
2048	22,628	386	357	2,200	0	0	0	7,461	2,844	0	0	0
2049	22,737	386	357	2,211	0	0	0	7,490	2,815	0	0	0
2050	22,845	386	357	2,220	0	0	0	7,525	2,780	0	0	0
2051	22,950	386	357	2,230	0	0	0	7,557	2,748	0	0	0
2052	23,054	386	357	2,240	0	0	0	7,593	2,379	0	0	0
2053	23,155	386	357	2,251	0	0	0	7,619	2,353	0	0	0
2054	23,255	386	357	2,259	0	0	0	7,651	1,606	0	0	0
2055	23,354	386	357	2,268	0	0	0	7,649	0	33	0	0
2056	23,451	386	357	2,277	0	0	0	6,755	0	962	0	0
2057	23,545	386	357	2,287	0	0	0	7,740	1,517	0	0	0
2058	23,638	386	357	2,295	0	0	0	7,770	1,487	0	0	0
2059	23,728	386	357	2,304	0	0	0	7,798	1,459	0	0	0
2060	23,817	386	357	2,312	0	0	0	7,830	1,427	0	0	0

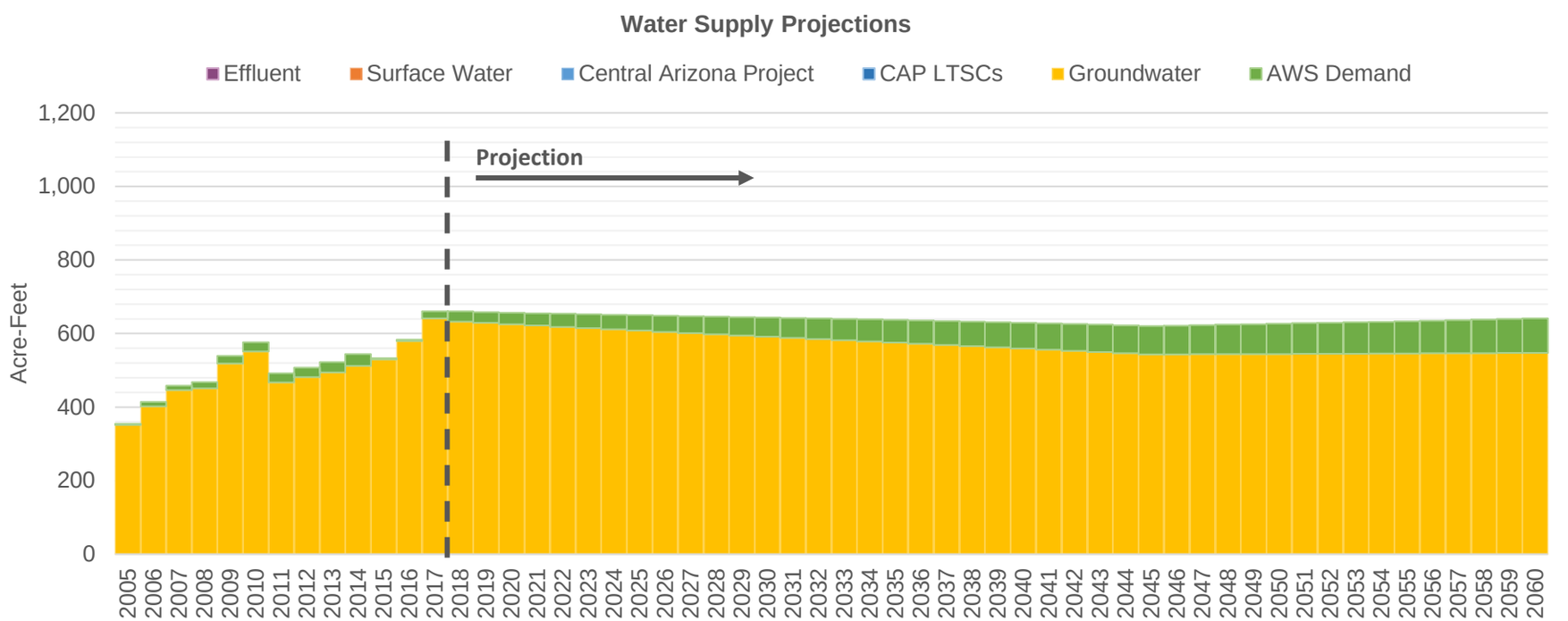
QuailCreek

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

QuailCreek

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

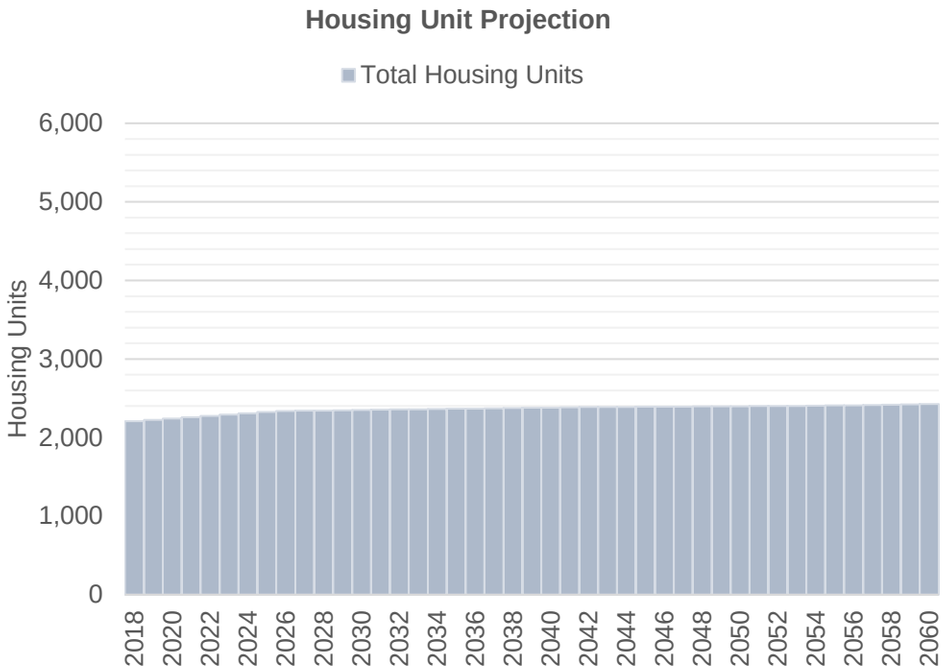
Water Supply Projections (Acre-Feet)

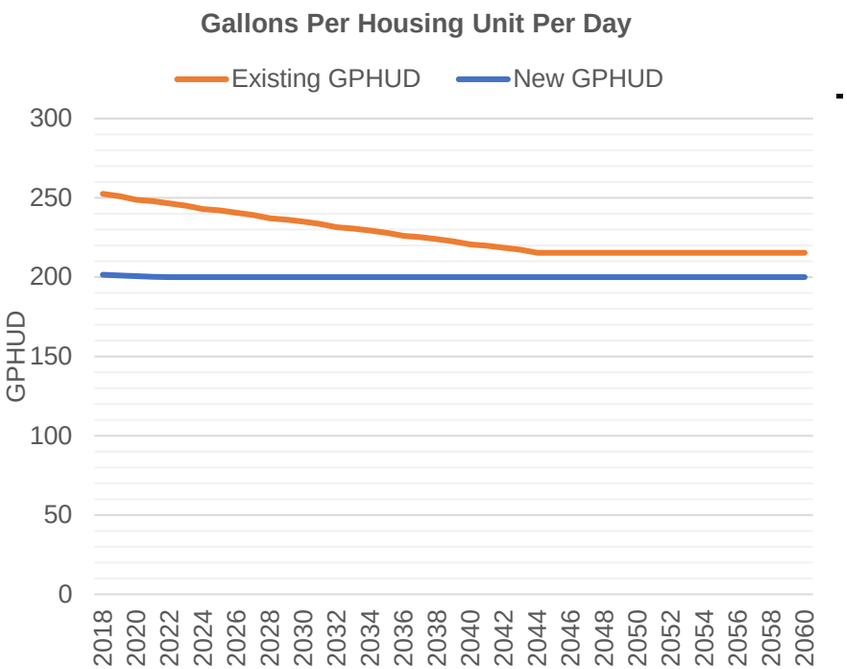
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,889	313	217	0	0	0	0	0	0	0	632	28
2019	1,899	311	217	0	0	0	0	0	0	0	629	29
2020	1,909	308	217	0	0	0	0	0	0	0	626	31
2021	1,919	307	216	0	0	0	0	0	0	0	622	33
2022	1,930	305	216	0	0	0	0	0	0	0	618	36
2023	1,940	303	215	0	0	0	0	0	0	0	615	38
2024	1,950	301	215	0	0	0	0	0	0	0	611	40
2025	1,961	300	214	0	0	0	0	0	0	0	608	42
2026	1,971	298	214	0	0	0	0	0	0	0	605	44
2027	1,982	296	214	0	0	0	0	0	0	0	601	46
2028	1,993	294	213	0	0	0	0	0	0	0	598	48
2029	2,003	293	213	0	0	0	0	0	0	0	595	50
2030	2,013	291	212	0	0	0	0	0	0	0	591	52
2031	2,024	289	212	0	0	0	0	0	0	0	588	54
2032	2.035	287	211	0	0	0	0	0	0	0	585	56
2033	2,046	286	211	0	0	0	0	0	0	0	582	58
2034	2,055	284	211	0	0	0	0	0	0	0	579	60
2035	2,064	282	210	0	0	0	0	0	0	0	575	62
2036	2,073	280	210	0	0	0	0	0	0	0	572	63
2037	2,082	279	209	0	0	0	0	0	0	0	569	65
2038	2,091	277	209	0	0	0	0	0	0	0	566	67
2039	2,099	276	208	0	0	0	0	0	0	0	562	68
2040	2,107	273	208	0	0	0	0	0	0	0	559	70
2041	2,116	272	208	0	0	0	0	0	0	0	556	71
2042	2,124	271	207	0	0	0	0	0	0	0	553	73
2043	2,131	269	207	0	0	0	0	0	0	0	550	75
2044	2,137	267	207	0	0	0	0	0	0	0	546	76
2045	2,143	266	207	0	0	0	0	0	0	0	543	77
2046	2,149	266	207	0	0	0	0	0	0	0	543	78
2047	2,155	266	207	0	0	0	0	0	0	0	544	79
2048	2,161	266	207	0	0	0	0	0	0	0	544	80
2049	2,166	266	207	0	0	0	0	0	0	0	544	81
2050	2,172	266	207	0	0	0	0	0	0	0	544	82
2051	2,177	266	207	0	0	0	0	0	0	0	545	83
2052	2,183	266	207	0	0	0	0	0	0	0	545	84
2053	2,188	266	207	0	0	0	0	0	0	0	545	85
2054	2,194	266	207	0	0	0	0	0	0	0	545	86
2055	2,201	266	207	0	0	0	0	0	0	0	546	88
2056	2,208	266	207	0	0	0	0	0	0	0	546	89
2057	2,215	266	207	0	0	0	0	0	0	0	546	90
2058	2,222	266	207	0	0	0	0	0	0	0	547	91
2059	2,228	266	207	0	0	0	0	0	0	0	547	93
2060	2,235	266	207	0	0	0	0	0	0	0	548	94

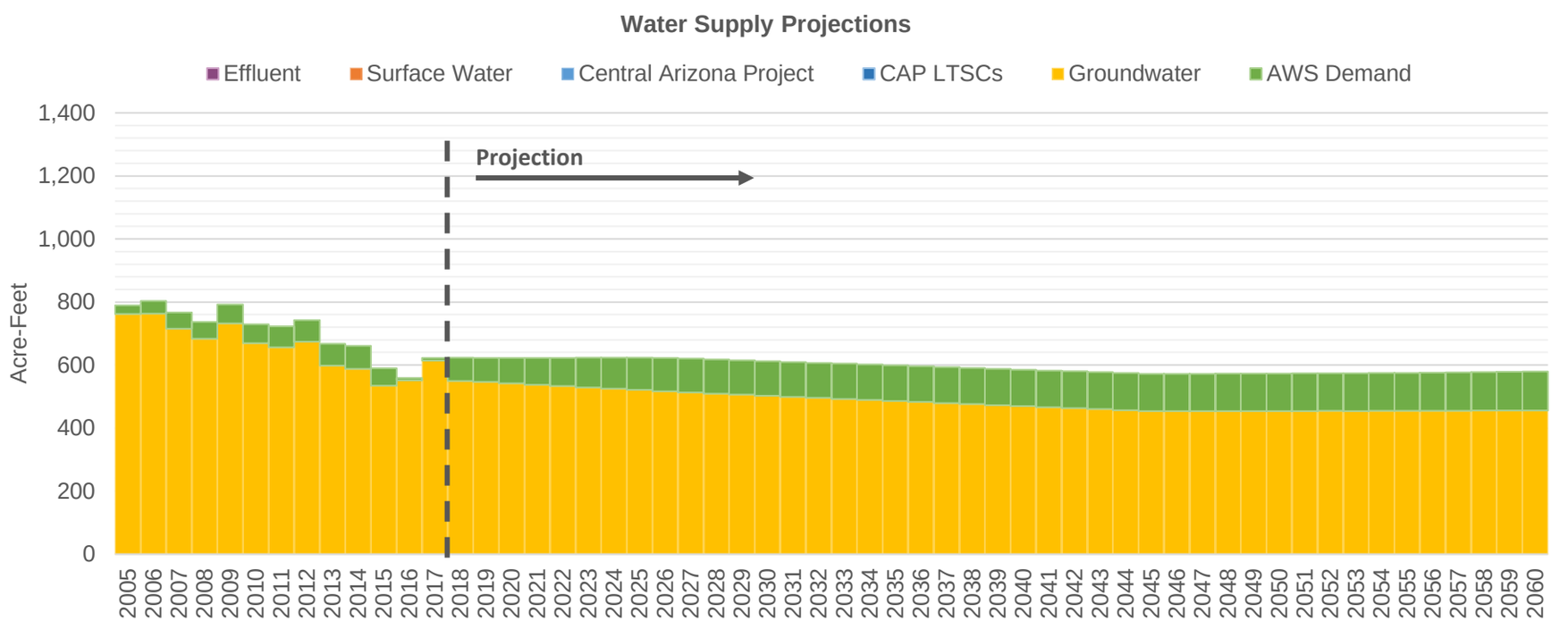
RayWC

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

RayWC

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

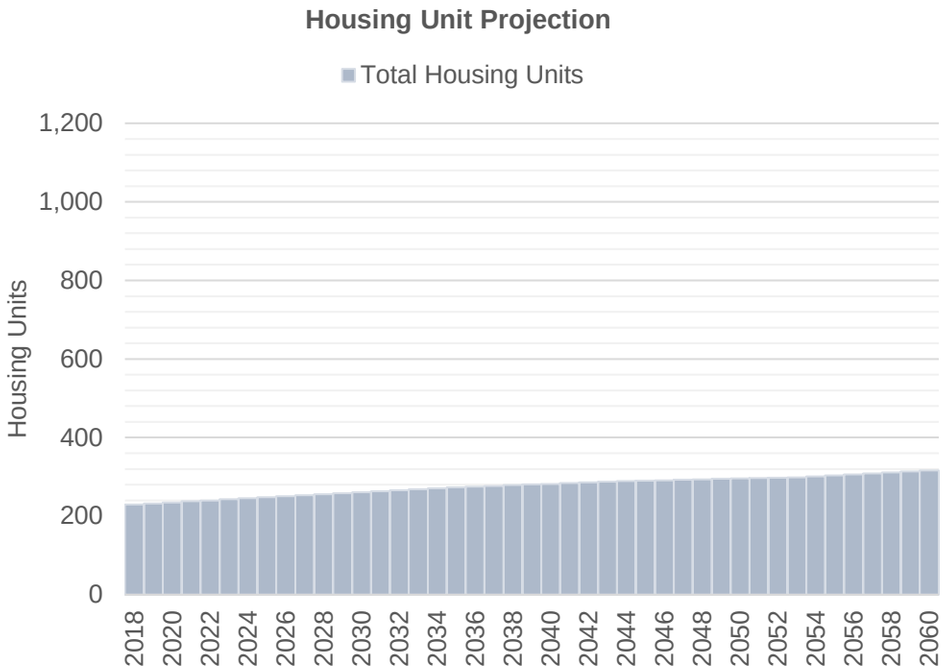
Water Supply Projections (Acre-Feet)

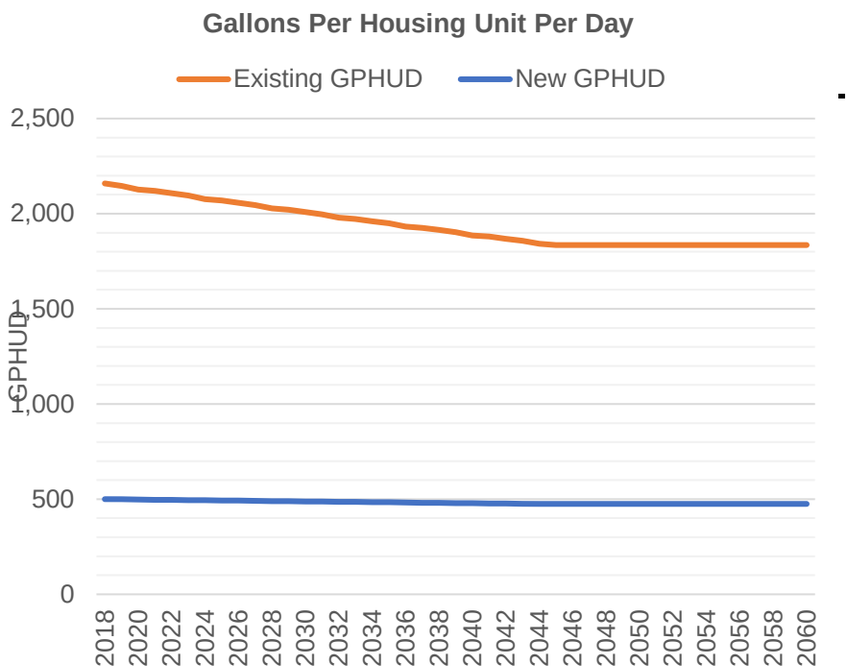
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	2,210	253	202	0	0	0	0	0	0	0	550	74
2019	2,226	251	201	0	0	0	0	0	0	0	547	76
2020	2,243	249	201	0	0	0	0	0	0	0	542	81
2021	2,260	248	200	0	0	0	0	0	0	0	537	86
2022	2,277	247	200	0	0	0	0	0	0	0	533	90
2023	2,294	245	200	0	0	0	0	0	0	0	529	94
2024	2,311	243	200	0	0	0	0	0	0	0	525	98
2025	2,328	242	200	0	0	0	0	0	0	0	521	102
2026	2,337	241	200	0	0	0	0	0	0	0	517	106
2027	2,341	239	200	0	0	0	0	0	0	0	513	108
2028	2,344	237	200	0	0	0	0	0	0	0	510	108
2029	2,347	236	200	0	0	0	0	0	0	0	506	109
2030	2,351	235	200	0	0	0	0	0	0	0	503	110
2031	2,354	234	200	0	0	0	0	0	0	0	499	110
2032	2,358	231	200	0	0	0	0	0	0	0	496	111
2033	2,361	231	200	0	0	0	0	0	0	0	493	112
2034	2,364	229	200	0	0	0	0	0	0	0	489	112
2035	2,367	228	200	0	0	0	0	0	0	0	486	113
2036	2,370	226	200	0	0	0	0	0	0	0	483	114
2037	2,373	225	200	0	0	0	0	0	0	0	479	114
2038	2,376	224	200	0	0	0	0	0	0	0	476	115
2039	2,379	223	200	0	0	0	0	0	0	0	473	115
2040	2,381	221	200	0	0	0	0	0	0	0	470	116
2041	2,384	220	200	0	0	0	0	0	0	0	467	116
2042	2,387	219	200	0	0	0	0	0	0	0	463	117
2043	2,389	217	200	0	0	0	0	0	0	0	460	117
2044	2,390	215	200	0	0	0	0	0	0	0	457	118
2045	2,392	215	200	0	0	0	0	0	0	0	454	118
2046	2,393	215	200	0	0	0	0	0	0	0	454	118
2047	2,395	215	200	0	0	0	0	0	0	0	454	118
2048	2,396	215	200	0	0	0	0	0	0	0	454	119
2049	2,397	215	200	0	0	0	0	0	0	0	454	119
2050	2,399	215	200	0	0	0	0	0	0	0	454	119
2051	2,400	215	200	0	0	0	0	0	0	0	454	119
2052	2,401	215	200	0	0	0	0	0	0	0	455	119
2053	2,402	215	200	0	0	0	0	0	0	0	454	120
2054	2,405	215	200	0	0	0	0	0	0	0	455	120
2055	2,408	215	200	0	0	0	0	0	0	0	455	120
2056	2,412	215	200	0	0	0	0	0	0	0	455	121
2057	2,415	215	200	0	0	0	0	0	0	0	455	121
2058	2,418	215	200	0	0	0	0	0	0	0	456	122
2059	2,422	215	200	0	0	0	0	0	0	0	456	122
2060	2,425	215	200	0	0	0	0	0	0	0	456	123

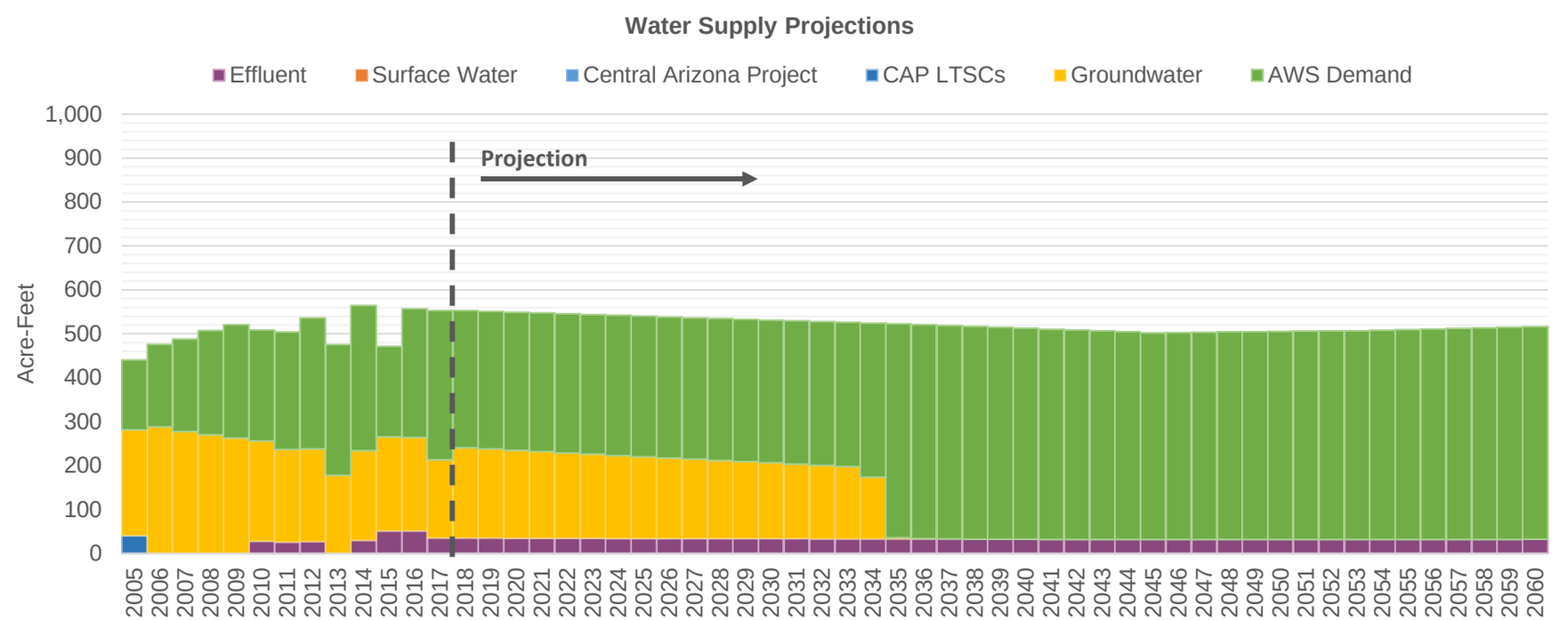
RidgeView

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

RidgeView

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

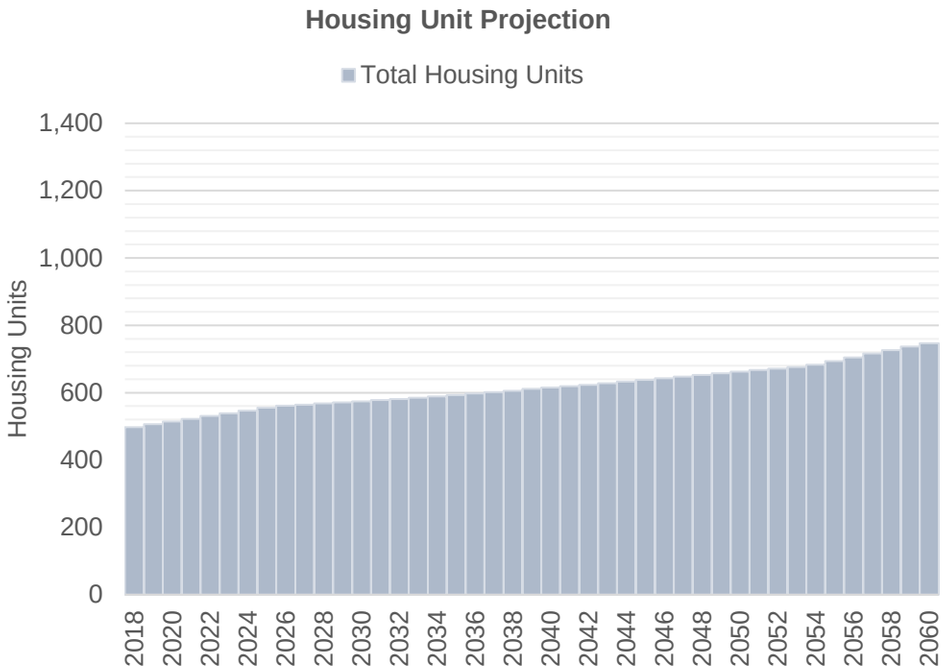
Water Supply Projections (Acre-Feet)

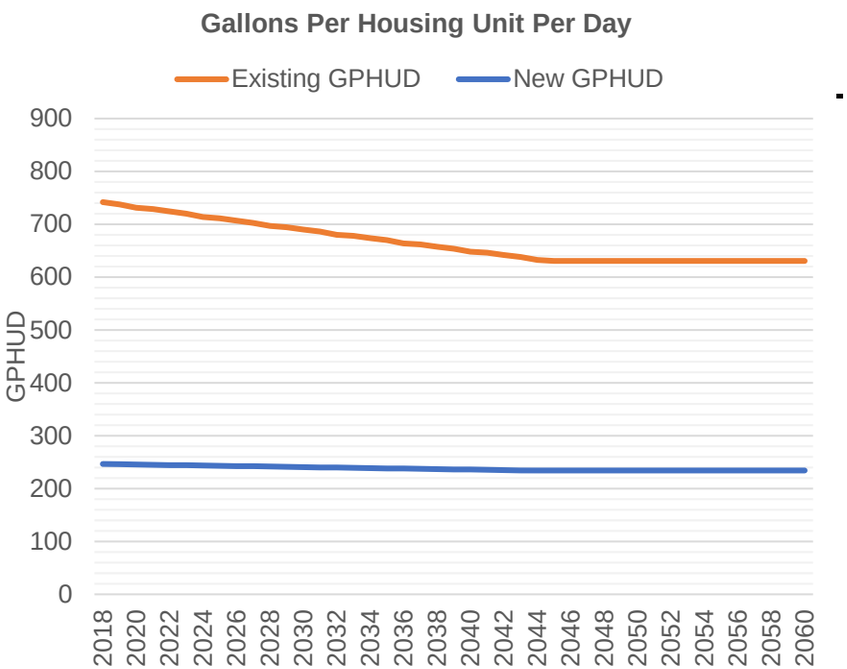
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	230	2,159	500	35	0	0	0	0	0	0	206	313
2019	232	2,146	499	35	0	0	0	0	0	0	203	313
2020	235	2,127	498	35	0	0	0	0	0	0	200	314
2021	238	2,120	497	35	0	0	0	0	0	0	197	316
2022	240	2,108	496	35	0	0	0	0	0	0	194	317
2023	243	2,095	495	35	0	0	0	0	0	0	191	318
2024	246	2,077	494	34	0	0	0	0	0	0	189	319
2025	248	2,070	493	34	0	0	0	0	0	0	186	320
2026	251	2,058	492	34	0	0	0	0	0	0	183	321
2027	253	2,045	491	34	0	0	0	0	0	0	180	322
2028	256	2,027	490	34	0	0	0	0	0	0	178	323
2029	258	2,021	489	34	0	0	0	0	0	0	175	324
2030	261	2,009	488	34	0	0	0	0	0	0	173	325
2031	263	1,997	487	34	0	0	0	0	0	0	170	326
2032	266	1,979	486	33	0	0	0	0	0	0	168	327
2033	268	1,973	485	33	0	0	0	0	0	0	165	328
2034	271	1,961	484	33	0	0	0	0	0	0	141	351
2035	273	1,949	483	33	0	0	0	0	0	0	3	486
2036	275	1,932	482	33	0	0	0	0	0	0	1	487
2037	277	1,926	481	33	0	0	0	0	0	0	0	486
2038	279	1,914	480	33	0	0	0	0	0	0	0	484
2039	281	1,903	479	33	0	0	0	0	0	0	0	482
2040	282	1,886	478	33	0	0	0	0	0	0	0	480
2041	284	1,880	477	32	0	0	0	0	0	0	0	479
2042	286	1,869	477	32	0	0	0	0	0	0	0	477
2043	288	1,858	476	32	0	0	0	0	0	0	0	475
2044	289	1,841	475	32	0	0	0	0	0	0	0	473
2045	290	1,835	475	32	0	0	0	0	0	0	0	471
2046	291	1,835	475	32	0	0	0	0	0	0	0	471
2047	293	1,835	475	32	0	0	0	0	0	0	0	472
2048	294	1,835	475	32	0	0	0	0	0	0	0	473
2049	295	1,835	475	32	0	0	0	0	0	0	0	473
2050	296	1,835	475	32	0	0	0	0	0	0	0	474
2051	297	1,835	475	32	0	0	0	0	0	0	0	474
2052	298	1,835	475	32	0	0	0	0	0	0	0	475
2053	299	1,835	475	32	0	0	0	0	0	0	0	475
2054	301	1,835	475	32	0	0	0	0	0	0	0	476
2055	304	1,835	475	32	0	0	0	0	0	0	0	477
2056	306	1,835	475	32	0	0	0	0	0	0	0	479
2057	309	1,835	475	32	0	0	0	0	0	0	0	480
2058	311	1,835	475	32	0	0	0	0	0	0	0	481
2059	314	1,835	475	32	0	0	0	0	0	0	0	483
2060	316	1,835	475	33	0	0	0	0	0	0	0	484

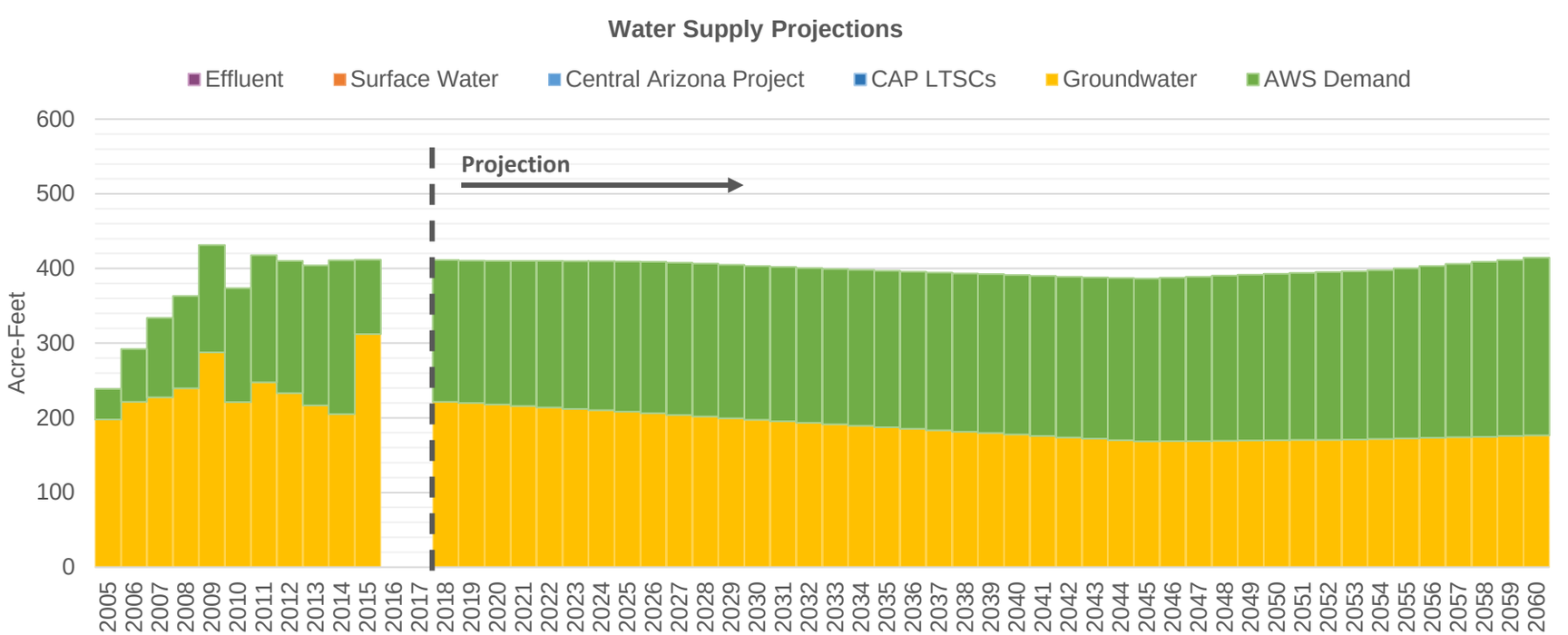
Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]

Saguaro







Central Arizona Project Service Area Model

Saguaro

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

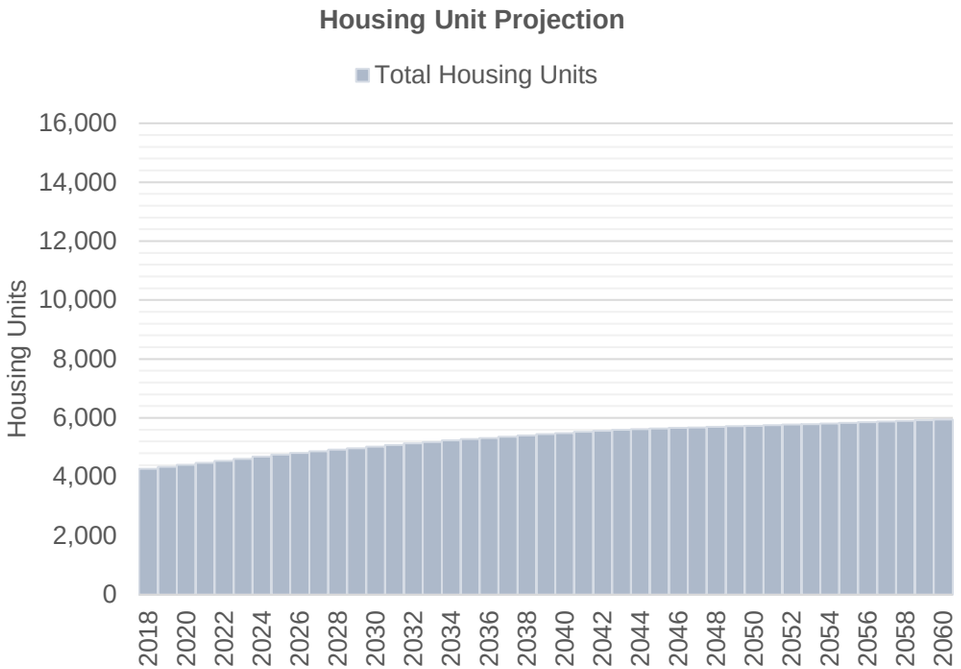
Water Supply Projections (Acre-Feet)

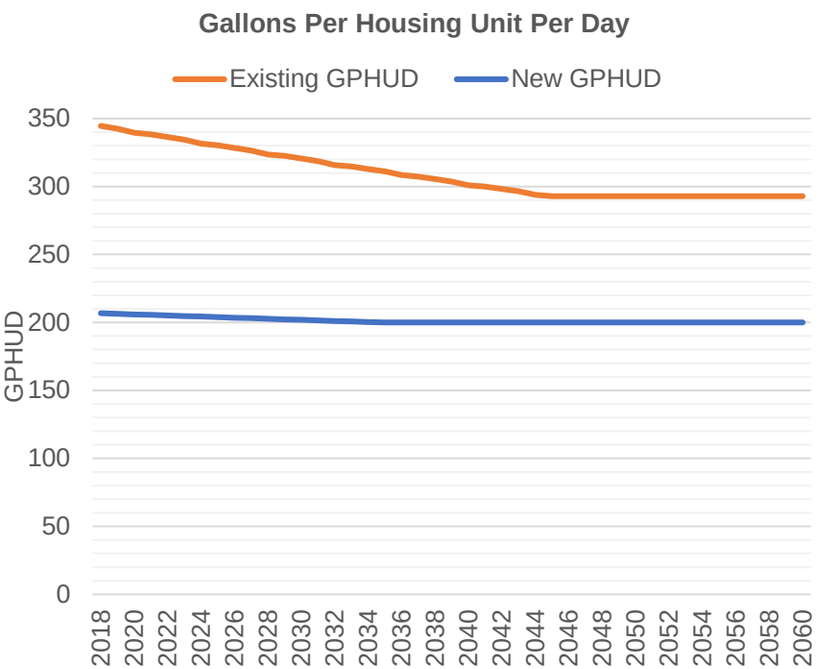
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	498	742	247	0	0	0	0	0	0	0	221	190
2019	506	737	246	0	0	0	0	0	0	0	220	191
2020	514	731	246	0	0	0	0	0	0	0	218	193
2021	522	729	245	0	0	0	0	0	0	0	216	194
2022	531	724	245	0	0	0	0	0	0	0	214	196
2023	539	720	244	0	0	0	0	0	0	0	212	198
2024	547	714	244	0	0	0	0	0	0	0	210	200
2025	555	711	243	0	0	0	0	0	0	0	208	201
2026	561	707	243	0	0	0	0	0	0	0	206	203
2027	564	703	242	0	0	0	0	0	0	0	204	204
2028	568	697	242	0	0	0	0	0	0	0	202	205
2029	571	694	241	0	0	0	0	0	0	0	200	205
2030	574	690	241	0	0	0	0	0	0	0	197	206
2031	578	686	240	0	0	0	0	0	0	0	195	207
2032	581	680	240	0	0	0	0	0	0	0	193	207
2033	585	678	239	0	0	0	0	0	0	0	191	208
2034	589	674	239	0	0	0	0	0	0	0	189	209
2035	593	670	238	0	0	0	0	0	0	0	187	209
2036	598	664	238	0	0	0	0	0	0	0	186	210
2037	602	662	237	0	0	0	0	0	0	0	183	211
2038	606	658	237	0	0	0	0	0	0	0	181	212
2039	611	654	236	0	0	0	0	0	0	0	180	213
2040	615	648	236	0	0	0	0	0	0	0	178	214
2041	619	646	235	0	0	0	0	0	0	0	176	215
2042	623	642	235	0	0	0	0	0	0	0	174	215
2043	628	638	235	0	0	0	0	0	0	0	172	216
2044	633	633	234	0	0	0	0	0	0	0	170	217
2045	638	631	234	0	0	0	0	0	0	0	168	218
2046	643	631	234	0	0	0	0	0	0	0	169	219
2047	648	631	234	0	0	0	0	0	0	0	169	220
2048	653	631	234	0	0	0	0	0	0	0	169	221
2049	658	631	234	0	0	0	0	0	0	0	170	222
2050	662	631	234	0	0	0	0	0	0	0	170	223
2051	667	631	234	0	0	0	0	0	0	0	170	224
2052	671	631	234	0	0	0	0	0	0	0	171	225
2053	676	631	234	0	0	0	0	0	0	0	171	225
2054	683	631	234	0	0	0	0	0	0	0	172	226
2055	694	631	234	0	0	0	0	0	0	0	173	228
2056	705	631	234	0	0	0	0	0	0	0	173	230
2057	716	631	234	0	0	0	0	0	0	0	174	232
2058	726	631	234	0	0	0	0	0	0	0	175	234
2059	737	631	234	0	0	0	0	0	0	0	176	236
2060	747	631	234	0	0	0	0	0	0	0	176	238

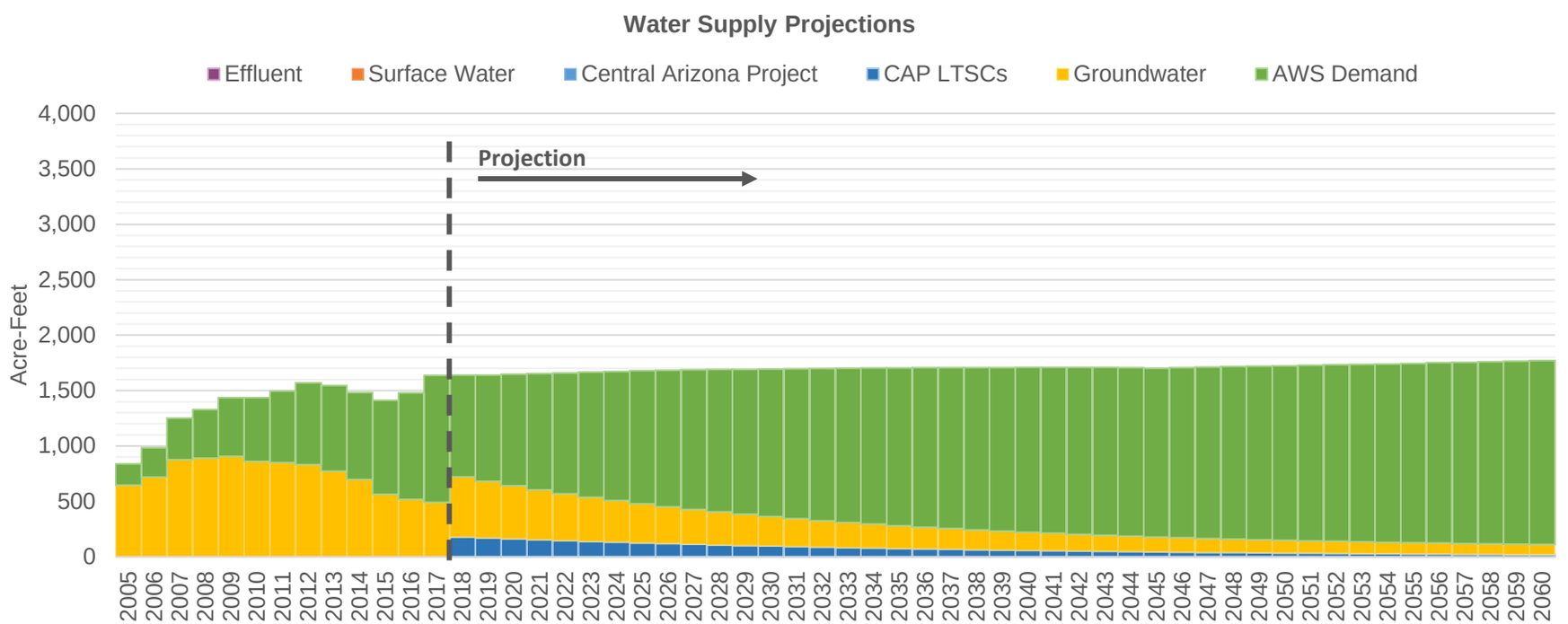
Central Arizona Project Service Area Model

Sahuarita

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

Sahuarita

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

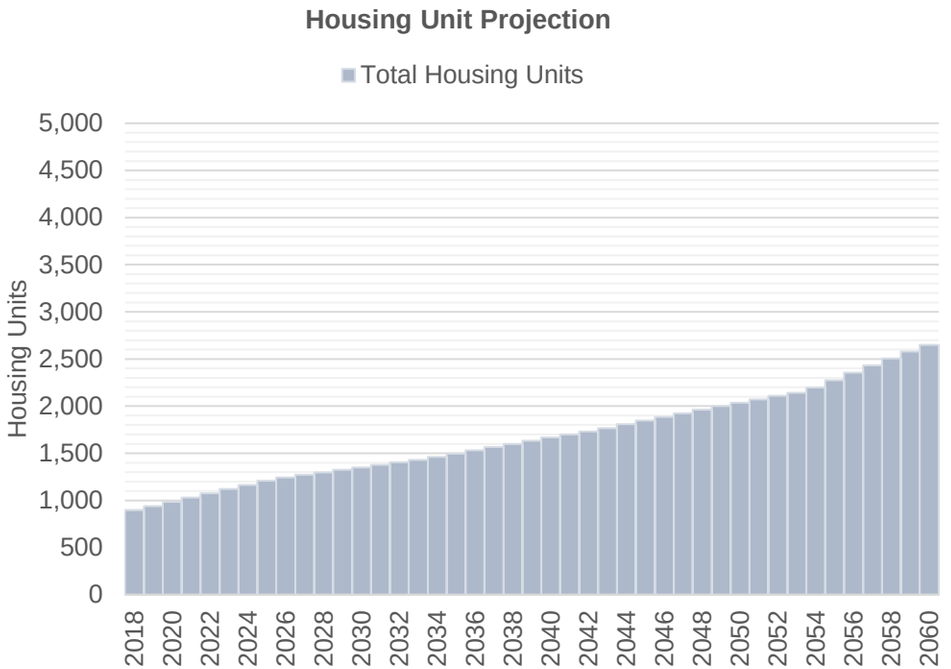
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

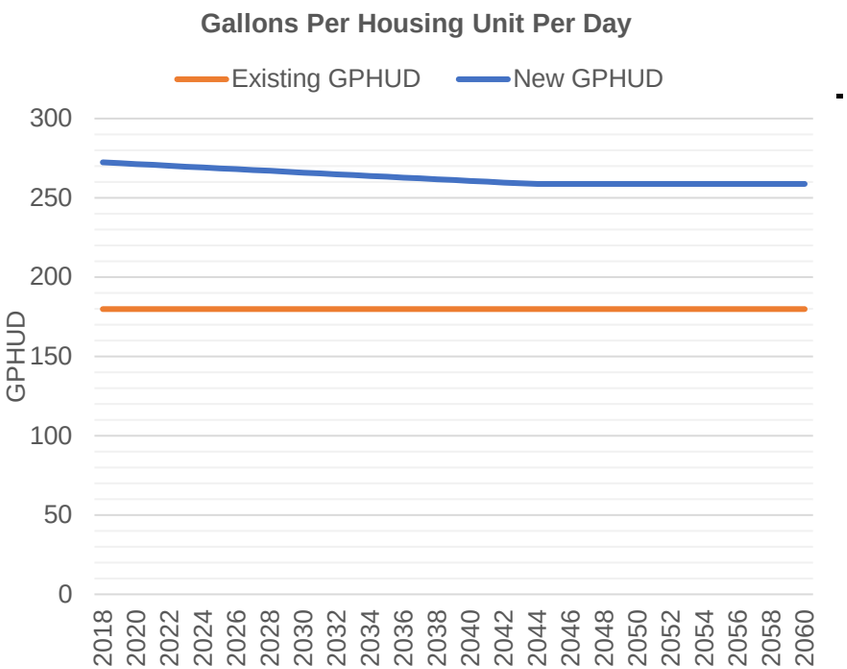
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,269	345	207	0	0	0	0	0	0	179	544	916
2019	4,337	343	206	0	0	0	0	0	0	171	510	960
2020	4,406	340	206	0	0	0	0	0	0	162	479	1,006
2021	4,475	338	206	0	0	0	0	0	0	154	450	1,049
2022	4,545	336	205	0	0	0	0	0	0	146	423	1,090
2023	4,615	334	205	0	0	0	0	0	0	139	398	1,129
2024	4,685	331	204	0	0	0	0	0	0	132	375	1,165
2025	4,756	330	204	0	0	0	0	0	0	125	353	1,200
2026	4,816	328	204	0	0	0	0	0	0	119	333	1,231
2027	4,869	326	203	0	0	0	0	0	0	113	315	1,259
2028	4,922	324	203	0	0	0	0	0	0	107	297	1,285
2029	4,974	323	202	0	0	0	0	0	0	102	281	1,309
2030	5,026	321	202	0	0	0	0	0	0	97	266	1,331
2031	5,080	319	201	0	0	0	0	0	0	92	252	1,352
2032	5.133	316	201	0	0	0	0	0	0	88	240	1.373
2033	5,186	315	201	0	0	0	0	0	0	83	228	1,391
2034	5,235	313	200	0	0	0	0	0	0	79	216	1,409
2035	5,278	311	200	0	0	0	0	0	0	75	206	1,424
2036	5,321	308	200	0	0	0	0	0	0	71	196	1,439
2037	5,364	307	200	0	0	0	0	0	0	68	187	1,451
2038	5,406	306	200	0	0	0	0	0	0	64	179	1,464
2039	5,447	304	200	0	0	0	0	0	0	61	171	1,476
2040	5,488	301	200	0	0	0	0	0	0	58	164	1,487
2041	5,528	300	200	0	0	0	0	0	0	55	157	1,496
2042	5,568	298	200	0	0	0	0	0	0	52	151	1,506
2043	5,601	296	200	0	0	0	0	0	0	50	145	1,514
2044	5,621	294	200	0	0	0	0	0	0	47	140	1,520
2045	5,641	293	200	0	0	0	0	0	0	45	135	1,523
2046	5,661	293	200	0	0	0	0	0	0	43	130	1,534
2047	5,680	293	200	0	0	0	0	0	0	41	126	1,545
2048	5,699	293	200	0	0	0	0	0	0	39	122	1,556
2049	5,717	293	200	0	0	0	0	0	0	37	118	1,565
2050	5,735	293	200	0	0	0	0	0	0	35	115	1,574
2051	5,753	293	200	0	0	0	0	0	0	33	111	1,583
2052	5,771	293	200	0	0	0	0	0	0	31	108	1,593
2053	5,788	293	200	0	0	0	0	0	0	30	106	1,600
2054	5,808	293	200	0	0	0	0	0	0	28	103	1,608
2055	5,831	293	200	0	0	0	0	0	0	27	101	1,617
2056	5,855	293	200	0	0	0	0	0	0	26	99	1,627
2057	5,877	293	200	0	0	0	0	0	0	24	97	1,634
2058	5,899	293	200	0	0	0	0	0	0	23	95	1,642
2059	5,921	293	200	0	0	0	0	0	0	22	93	1,650
2060	5,942	293	200	0	0	0	0	0	0	21	91	1,659

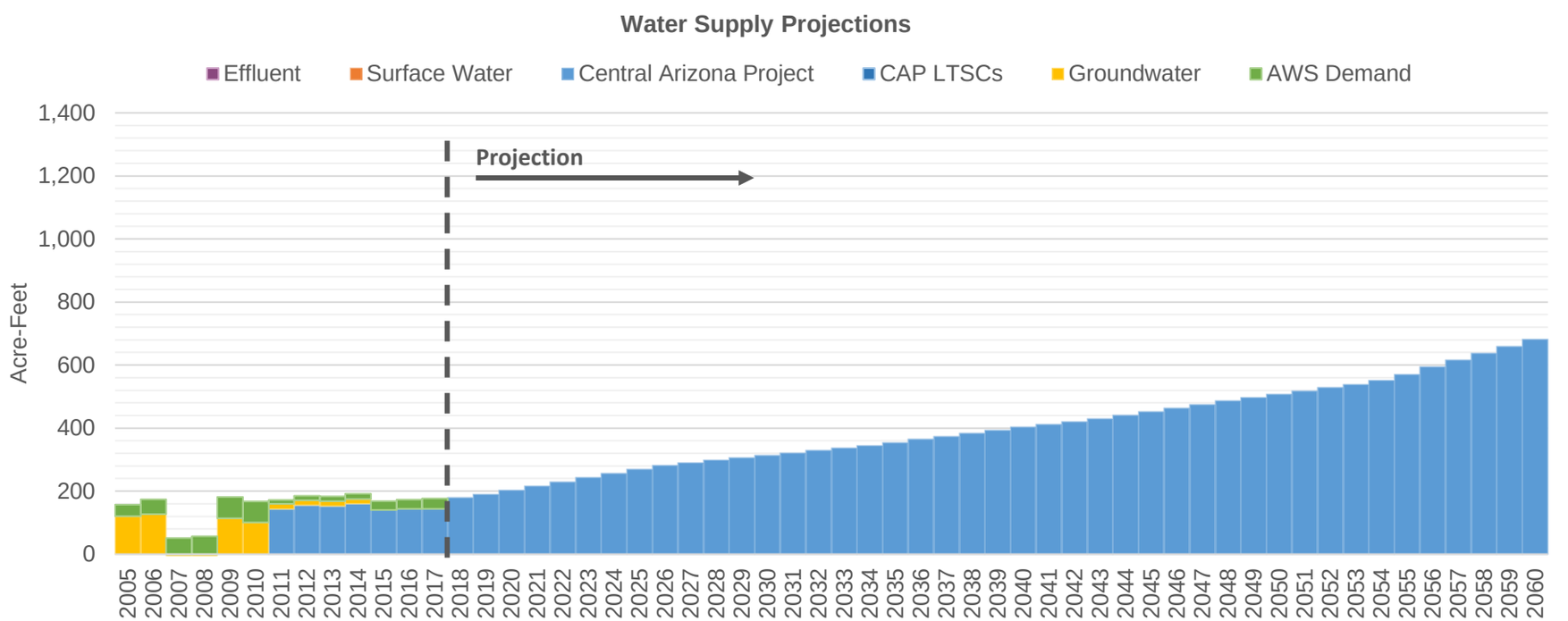
Central Arizona Project Service Area Model

SpanishTrailWC

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

SpanishTrailWC

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

Water Supply Projections (Acre-Feet)

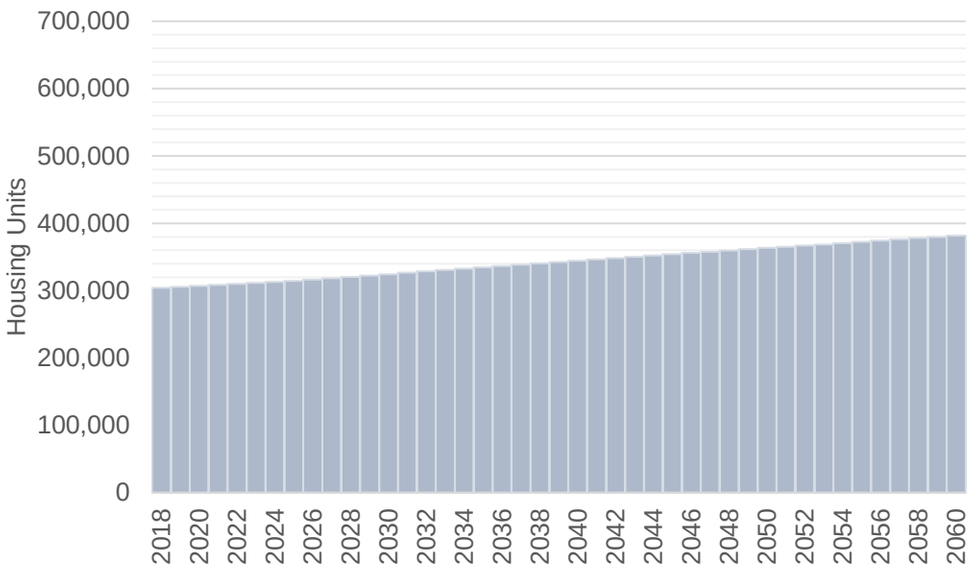
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	898	180	272	0	0	0	0	180	2,857	0	0	0
2019	941	180	272	0	0	0	0	189	2,848	0	0	0
2020	985	180	271	0	0	0	0	203	2,834	0	0	0
2021	1,030	180	271	0	0	0	0	216	2,821	0	0	0
2022	1,075	180	270	0	0	0	0	230	2,807	0	0	0
2023	1,120	180	270	0	0	0	0	243	2,794	0	0	0
2024	1,165	180	269	0	0	0	0	257	2,780	0	0	0
2025	1,210	180	269	0	0	0	0	270	2,767	0	0	0
2026	1,244	180	268	0	0	0	0	282	2,755	0	0	0
2027	1,271	180	268	0	0	0	0	291	2,746	0	0	0
2028	1,298	180	267	0	0	0	0	299	2,738	0	0	0
2029	1,324	180	266	0	0	0	0	306	2,731	0	0	0
2030	1,350	180	266	0	0	0	0	314	2,723	0	0	0
2031	1,378	180	265	0	0	0	0	321	2,716	0	0	0
2032	1,405	180	265	0	0	0	0	330	2,707	0	0	0
2033	1,431	180	264	0	0	0	0	337	2,700	0	0	0
2034	1,462	180	264	0	0	0	0	345	2,692	0	0	0
2035	1,497	180	263	0	0	0	0	354	2,683	0	0	0
2036	1,532	180	263	0	0	0	0	365	2,672	0	0	0
2037	1,566	180	262	0	0	0	0	374	2,663	0	0	0
2038	1,600	180	262	0	0	0	0	384	2,653	0	0	0
2039	1,634	180	261	0	0	0	0	393	2,108	0	0	0
2040	1,667	180	261	0	0	0	0	403	2,614	0	0	0
2041	1,700	180	260	0	0	0	0	412	2,625	0	0	0
2042	1,732	180	260	0	0	0	0	421	2,616	0	0	0
2043	1,767	180	259	0	0	0	0	430	2,607	0	0	0
2044	1,807	180	259	0	0	0	0	441	2,596	0	0	0
2045	1,847	180	259	0	0	0	0	452	2,585	0	0	0
2046	1,887	180	259	0	0	0	0	464	2,573	0	0	0
2047	1,925	180	259	0	0	0	0	475	2,562	0	0	0
2048	1,963	180	259	0	0	0	0	487	2,550	0	0	0
2049	2,001	180	259	0	0	0	0	497	2,540	0	0	0
2050	2,037	180	259	0	0	0	0	508	2,529	0	0	0
2051	2,073	180	259	0	0	0	0	518	2,519	0	0	0
2052	2,109	180	259	0	0	0	0	529	2,409	0	0	0
2053	2,143	180	259	0	0	0	0	539	2,400	0	0	0
2054	2,196	180	259	0	0	0	0	551	2,177	0	0	0
2055	2,276	180	259	0	0	0	0	570	1,684	0	0	0
2056	2,354	180	259	0	0	0	0	595	1,396	0	0	0
2057	2,431	180	259	0	0	0	0	616	2,112	0	0	0
2058	2,506	180	259	0	0	0	0	638	2,090	0	0	0
2059	2,579	180	259	0	0	0	0	659	2,069	0	0	0
2060	2,650	180	259	0	0	0	0	682	2,047	0	0	0

Central Arizona Project Service Area Model

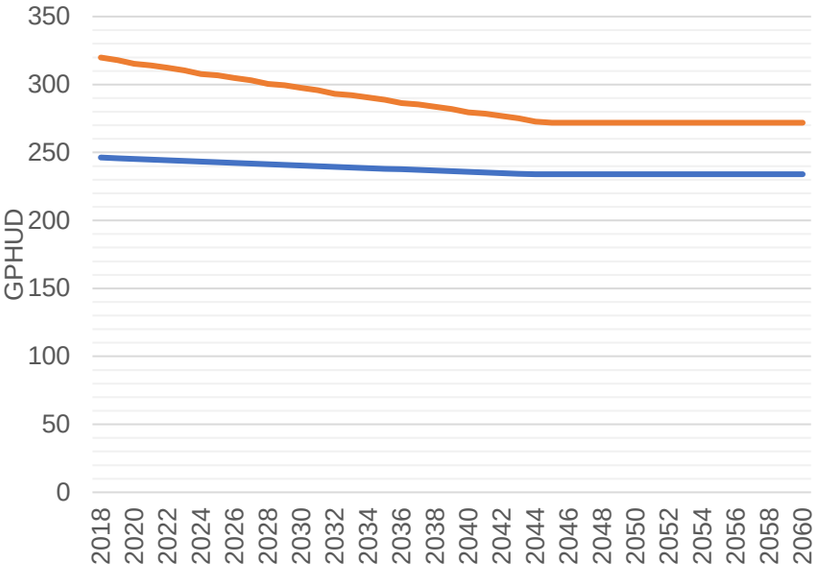
B. Slow, Compact, Dry Climate [LSCRBS]

Tucson

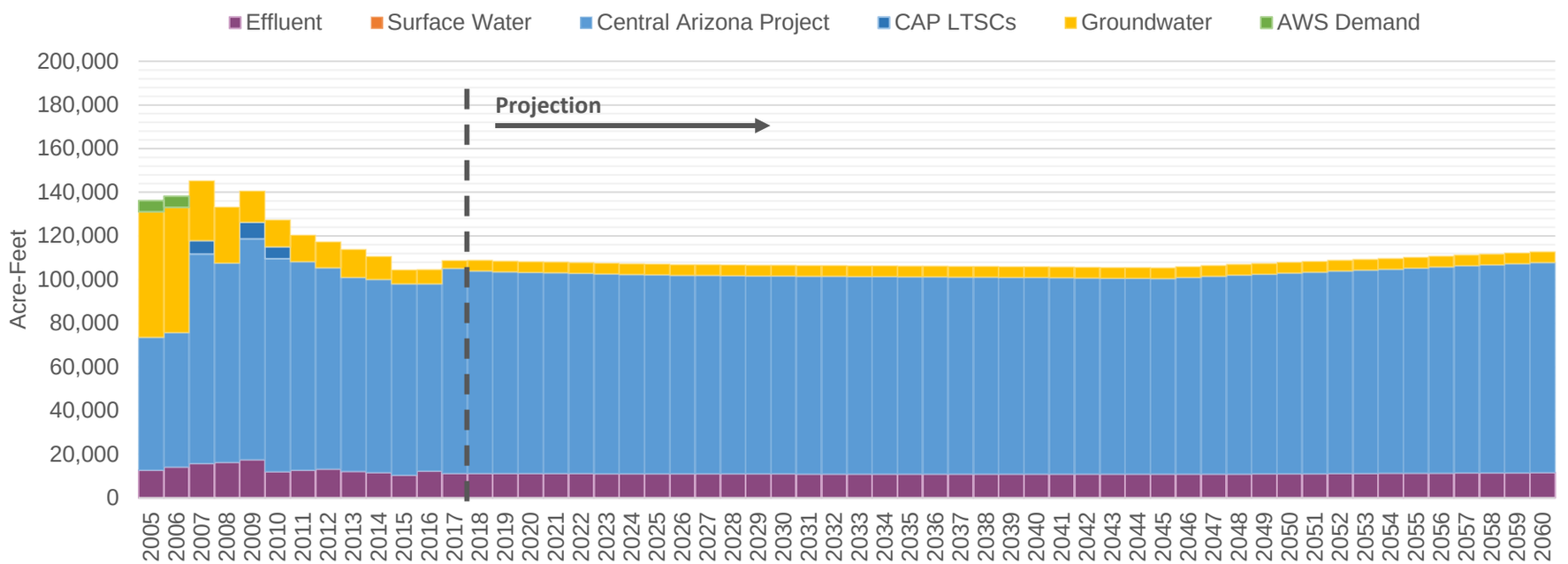
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

Tucson

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

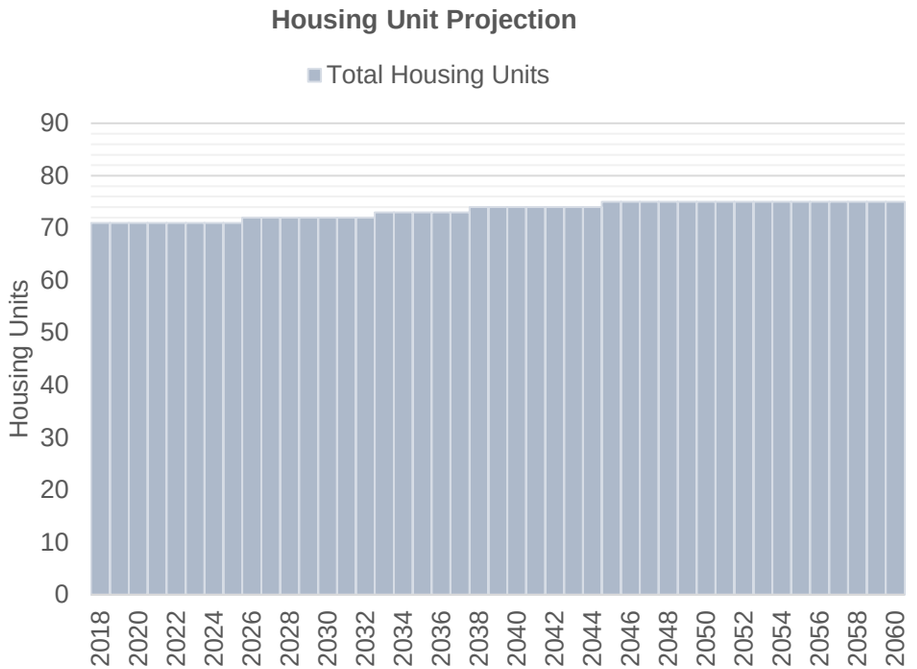
Water Supply Projections (Acre-Feet)

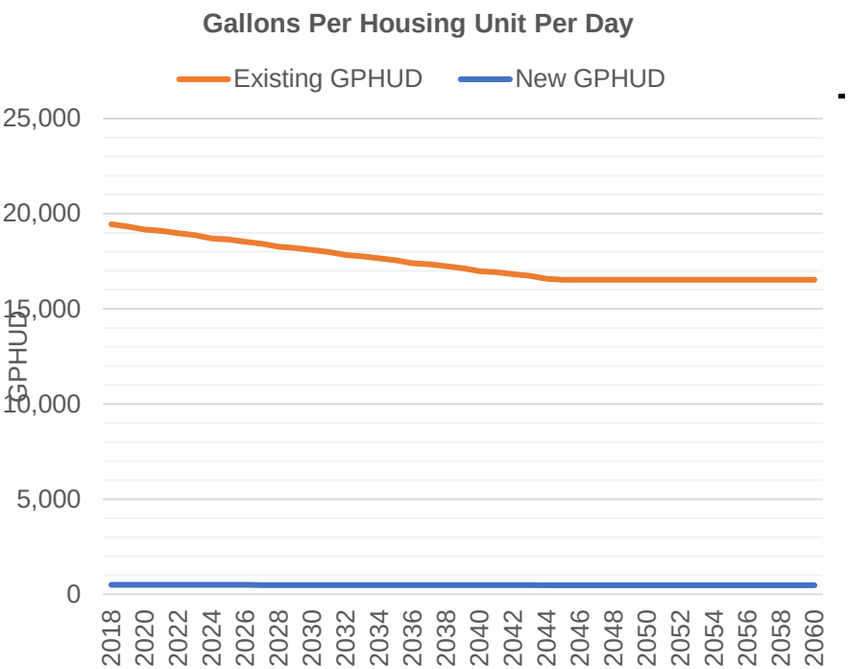
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	304,290	320	246	11,236	0	0	0	92,696	51,476	0	4,951	0
2019	305,746	318	246	11,236	0	0	0	92,332	51,840	0	4,951	0
2020	307,215	315	245	11,198	0	0	0	92,125	52,047	0	4,951	0
2021	308,698	314	245	11,173	0	0	0	91,906	52,266	0	4,951	0
2022	310,190	312	244	11,148	0	0	0	91,695	52,477	0	4,951	0
2023	311,691	310	244	11,124	0	0	0	91,487	52,685	0	4,951	0
2024	313,196	308	243	11,100	0	0	0	91,290	52,882	0	4,951	0
2025	314,705	307	243	11,077	0	0	0	91,082	53,090	0	4,951	0
2026	316,514	305	242	11,053	0	0	0	90,925	53,247	0	4,951	0
2027	318,564	303	242	11,034	0	0	0	90,838	53,334	0	4,951	0
2028	320,587	300	241	11,023	0	0	0	90,786	53,386	0	4,951	0
2029	322,582	299	241	11,017	0	0	0	90,699	53,473	0	4,951	0
2030	324,548	298	240	11,007	0	0	0	90,622	53,550	0	4,951	0
2031	326,605	296	240	10,998	0	0	0	90,554	53,618	0	4,951	0
2032	328,640	293	240	10,990	0	0	0	90,513	53,659	0	4,951	0
2033	330,653	292	239	10,985	0	0	0	90,429	53,743	0	4,951	0
2034	332,674	291	239	10,976	0	0	0	90,367	53,805	0	4,951	0
2035	334,718	289	238	10,969	0	0	0	90,308	53,864	0	4,951	0
2036	336,737	286	238	10,962	0	0	0	90,274	53,898	0	4,951	0
2037	338,730	285	237	10,958	0	0	0	90,185	53,987	0	4,951	0
2038	340,697	284	237	10,948	0	0	0	90,119	54,053	0	4,951	0
2039	342,637	282	236	10,940	0	0	0	90,046	28,698	0	4,951	0
2040	344,551	279	236	10,932	0	0	0	89,996	53,234	0	4,951	0
2041	346,436	279	235	10,926	0	0	0	89,881	54,291	0	4,951	0
2042	348,294	277	235	10,914	0	0	0	89,795	54,377	0	4,951	0
2043	350,185	275	234	10,903	0	0	0	89,710	54,462	0	4,951	0
2044	352,172	273	234	10,893	0	0	0	89,686	54,486	0	4,951	0
2045	354,127	272	234	10,890	0	0	0	89,613	54,559	0	4,951	0
2046	356,050	272	234	10,882	0	0	0	90,126	54,046	0	4,951	0
2047	357,939	272	234	10,934	0	0	0	90,574	53,598	0	4,951	0
2048	359,796	272	234	10,986	0	0	0	91,053	53,119	0	4,951	0
2049	361,619	272	234	11,041	0	0	0	91,440	52,732	0	4,951	0
2050	363,408	272	234	11,086	0	0	0	91,868	52,304	0	4,951	0
2051	365,163	272	234	11,135	0	0	0	92,284	51,888	0	4,951	0
2052	366,885	272	234	11,183	0	0	0	92,736	46,777	0	4,951	0
2053	368,573	272	234	11,235	0	0	0	93,087	46,427	0	4,951	0
2054	370,381	272	234	11,276	0	0	0	93,504	36,008	0	4,951	0
2055	372,385	272	234	11,323	0	0	0	93,956	13,051	0	4,951	0
2056	374,348	272	234	11,375	0	0	0	94,474	31	0	4,951	0
2057	376,268	272	234	11,434	0	0	0	94,874	34,637	0	4,951	0
2058	378,146	272	234	11,481	0	0	0	95,325	34,187	0	4,951	0
2059	379,981	272	234	11,533	0	0	0	95,760	33,752	0	4,951	0
2060	381,775	272	234	11,583	0	0	0	96,241	33,271	0	4,951	0

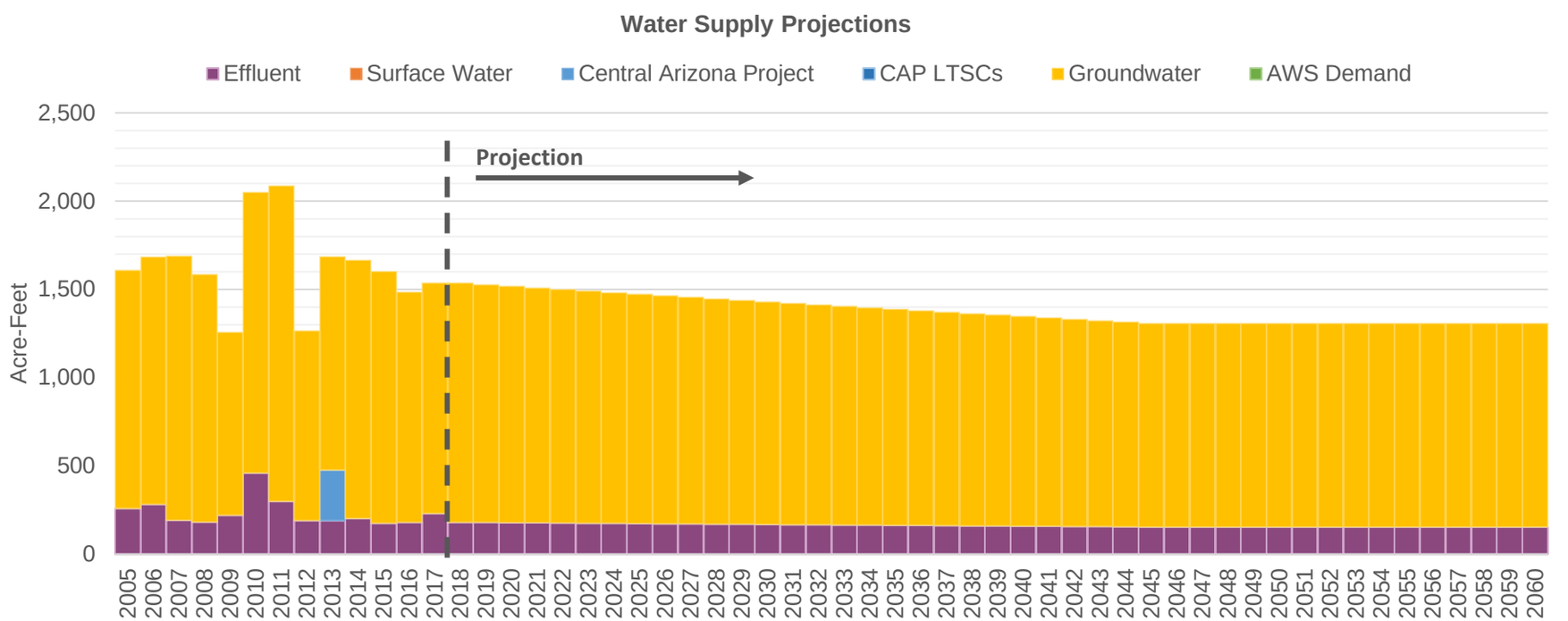
UniversityofAZ

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

UniversityofAZ

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

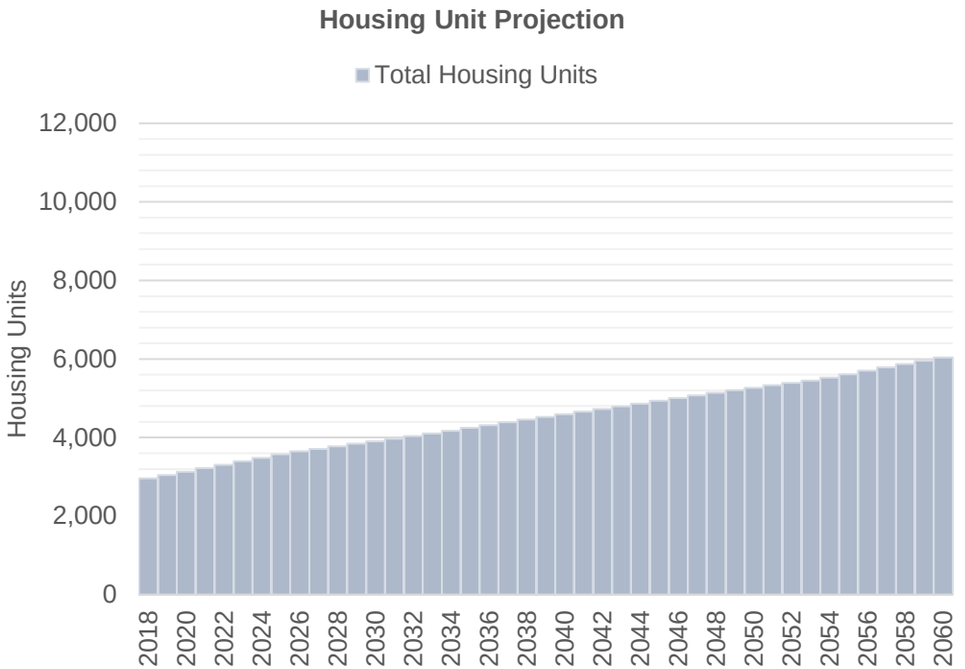
Water Supply Projections (Acre-Feet)

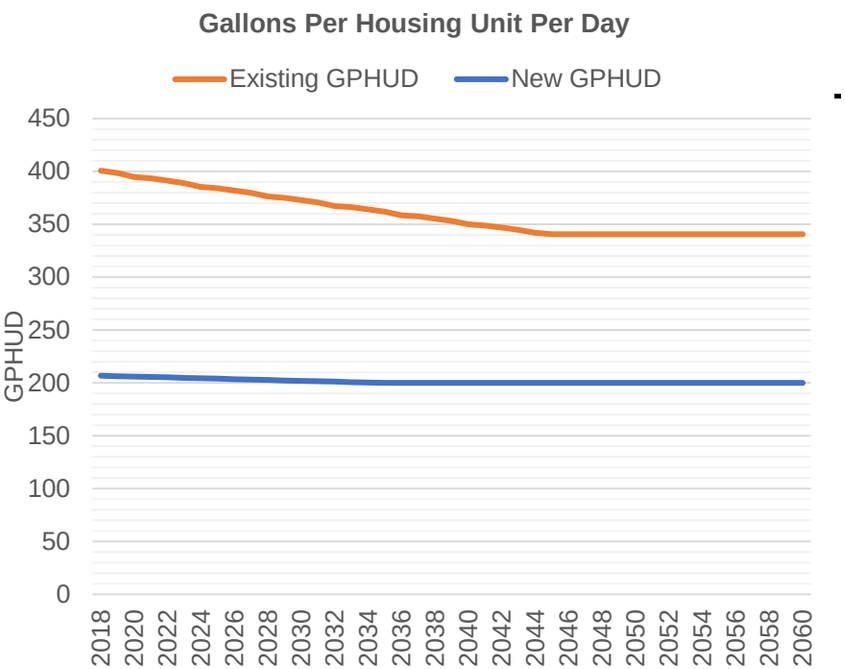
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	71	19,446	500	180	0	0	0	0	0	0	1,356	0
2019	71	19,329	499	180	0	0	0	0	0	0	1,347	0
2020	71	19,161	498	179	0	0	0	0	0	0	1,339	0
2021	71	19,098	497	178	0	0	0	0	0	0	1,331	0
2022	71	18,983	496	177	0	0	0	0	0	0	1,323	0
2023	71	18,870	495	176	0	0	0	0	0	0	1,315	0
2024	71	18,705	494	175	0	0	0	0	0	0	1,307	0
2025	71	18,644	493	174	0	0	0	0	0	0	1,299	0
2026	72	18,532	492	173	0	0	0	0	0	0	1,292	0
2027	72	18,421	491	172	0	0	0	0	0	0	1,284	0
2028	72	18,260	490	171	0	0	0	0	0	0	1,277	0
2029	72	18,200	489	170	0	0	0	0	0	0	1,269	0
2030	72	18,091	488	169	0	0	0	0	0	0	1,261	0
2031	72	17,983	487	168	0	0	0	0	0	0	1,254	0
2032	72	17,826	486	167	0	0	0	0	0	0	1,246	0
2033	73	17,767	485	166	0	0	0	0	0	0	1,239	0
2034	73	17,661	484	165	0	0	0	0	0	0	1,232	0
2035	73	17,555	483	164	0	0	0	0	0	0	1,224	0
2036	73	17,402	482	163	0	0	0	0	0	0	1,217	0
2037	73	17,345	481	162	0	0	0	0	0	0	1,210	0
2038	74	17,241	480	161	0	0	0	0	0	0	1,203	0
2039	74	17,137	479	160	0	0	0	0	0	0	1,196	0
2040	74	16,988	478	159	0	0	0	0	0	0	1,189	0
2041	74	16,932	477	158	0	0	0	0	0	0	1,181	0
2042	74	16,831	477	157	0	0	0	0	0	0	1,174	0
2043	74	16,730	476	156	0	0	0	0	0	0	1,167	0
2044	74	16,584	475	155	0	0	0	0	0	0	1,160	0
2045	75	16,530	475	154	0	0	0	0	0	0	1,154	0
2046	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2047	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2048	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2049	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2050	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2051	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2052	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2053	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2054	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2055	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2056	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2057	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2058	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2059	75	16,529	475	153	0	0	0	0	0	0	1,155	0
2060	75	16,529	475	153	0	0	0	0	0	0	1,155	0

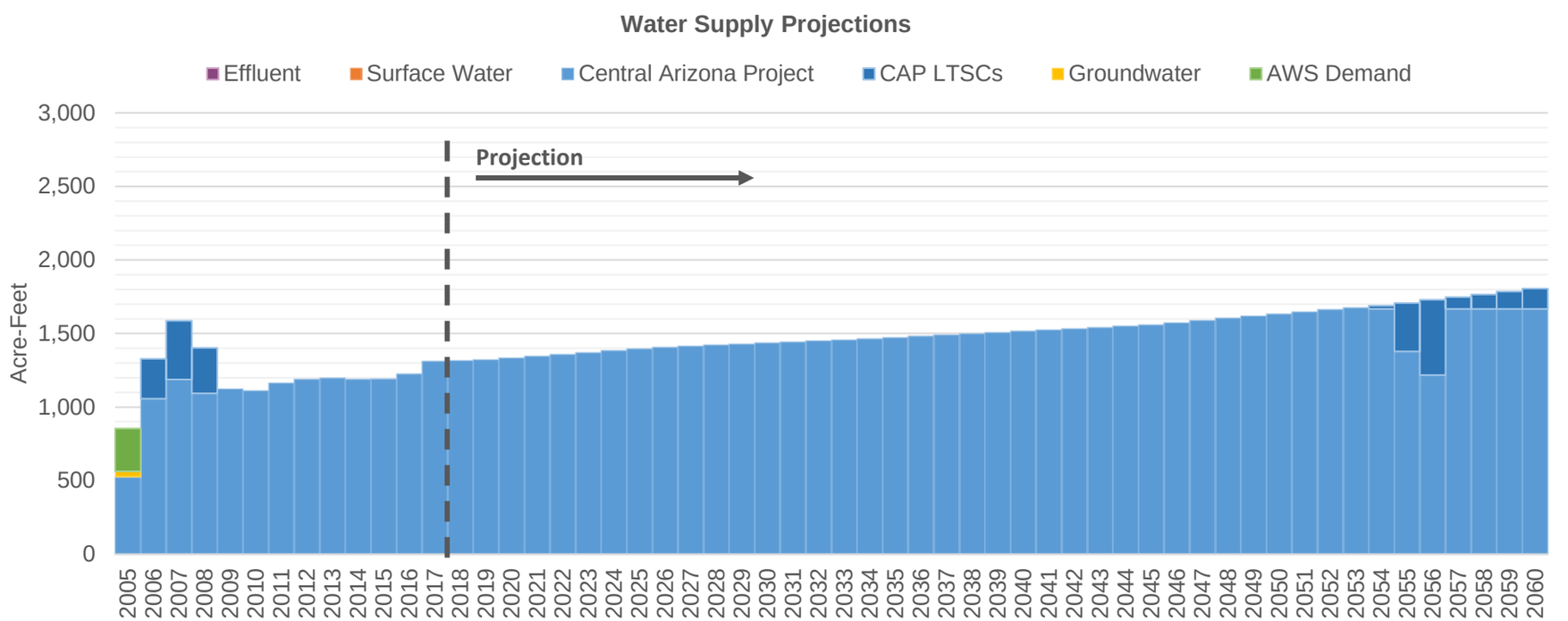
VailWC

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

VailWC

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions

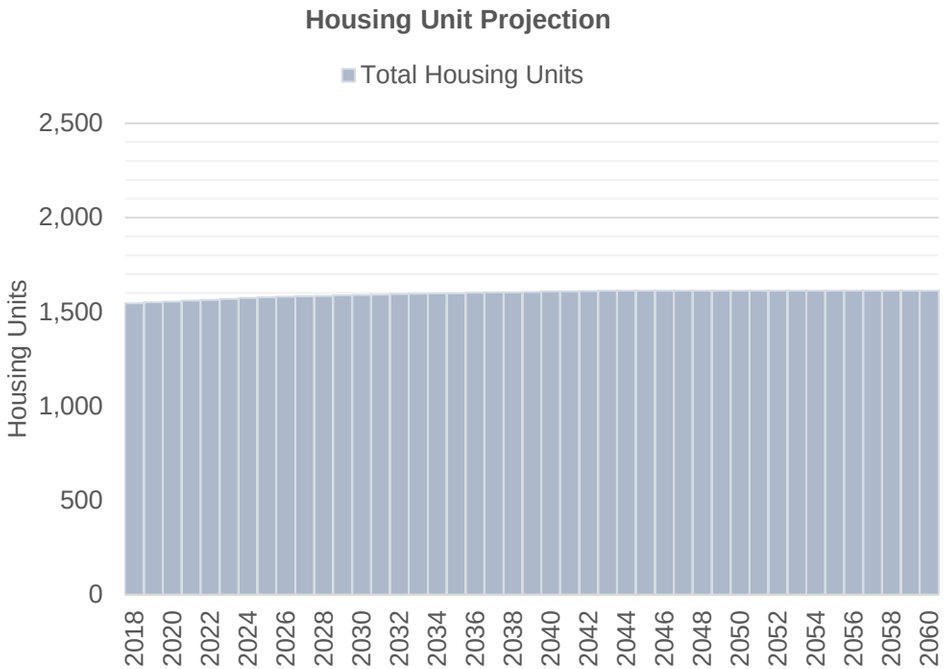
Water Supply Projections (Acre-Feet)

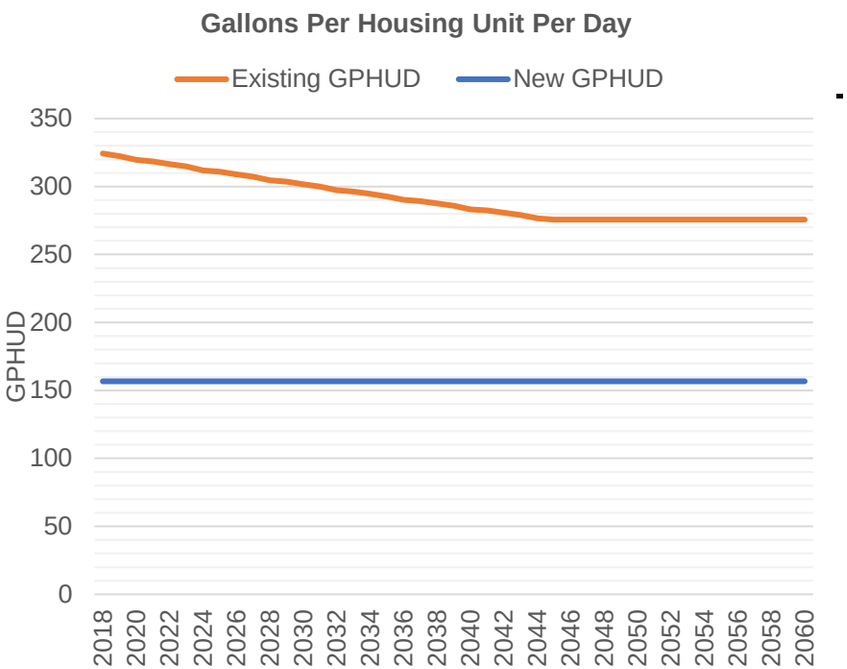
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	2,960	401	207	0	0	0	0	1,316	541	0	0	0
2019	3,046	398	206	0	0	0	0	1,322	535	0	0	0
2020	3,132	395	206	0	0	0	0	1,335	522	0	0	0
2021	3,220	394	206	0	0	0	0	1,347	510	0	0	0
2022	3,307	391	205	0	0	0	0	1,359	498	0	0	0
2023	3,396	389	205	0	0	0	0	1,371	486	0	0	0
2024	3,484	385	204	0	0	0	0	1,384	473	0	0	0
2025	3,573	384	204	0	0	0	0	1,396	461	0	0	0
2026	3,647	382	204	0	0	0	0	1,407	450	0	0	0
2027	3,713	380	203	0	0	0	0	1,415	442	0	0	0
2028	3,779	376	203	0	0	0	0	1,423	434	0	0	0
2029	3,843	375	202	0	0	0	0	1,429	428	0	0	0
2030	3,906	373	202	0	0	0	0	1,436	421	0	0	0
2031	3,973	371	201	0	0	0	0	1,443	414	0	0	0
2032	4.038	367	201	0	0	0	0	1.450	407	0	0	0
2033	4,103	366	201	0	0	0	0	1,457	400	0	0	0
2034	4,171	364	200	0	0	0	0	1,464	393	0	0	0
2035	4,244	362	200	0	0	0	0	1,472	385	0	0	0
2036	4,316	359	200	0	0	0	0	1,482	375	0	0	0
2037	4,387	357	200	0	0	0	0	1,490	367	0	0	0
2038	4,457	355	200	0	0	0	0	1,499	358	0	0	0
2039	4,526	353	200	0	0	0	0	1,507	22	0	0	0
2040	4,594	350	200	0	0	0	0	1,517	328	0	0	0
2041	4,661	349	200	0	0	0	0	1,524	333	0	0	0
2042	4,727	347	200	0	0	0	0	1,532	325	0	0	0
2043	4,795	345	200	0	0	0	0	1,540	317	0	0	0
2044	4,866	342	200	0	0	0	0	1,550	307	0	0	0
2045	4,935	341	200	0	0	0	0	1,558	299	0	0	0
2046	5,004	341	200	0	0	0	0	1,574	283	0	0	0
2047	5,071	341	200	0	0	0	0	1,589	268	0	0	0
2048	5,138	341	200	0	0	0	0	1,605	252	0	0	0
2049	5,203	341	200	0	0	0	0	1,619	238	0	0	0
2050	5,267	341	200	0	0	0	0	1,633	224	0	0	0
2051	5,329	341	200	0	0	0	0	1,647	210	0	0	0
2052	5,391	341	200	0	0	0	0	1,663	134	0	0	0
2053	5,451	341	200	0	0	0	0	1,675	122	0	0	0
2054	5,523	341	200	0	0	0	0	1,668	0	21	0	0
2055	5,613	341	200	0	0	0	0	1,378	0	329	0	0
2056	5,702	341	200	0	0	0	0	1,217	0	512	0	0
2057	5,788	341	200	0	0	0	0	1,668	0	79	0	0
2058	5,873	341	200	0	0	0	0	1,668	0	98	0	0
2059	5,955	341	200	0	0	0	0	1,668	0	117	0	0
2060	6,036	341	200	0	0	0	0	1,668	0	137	0	0

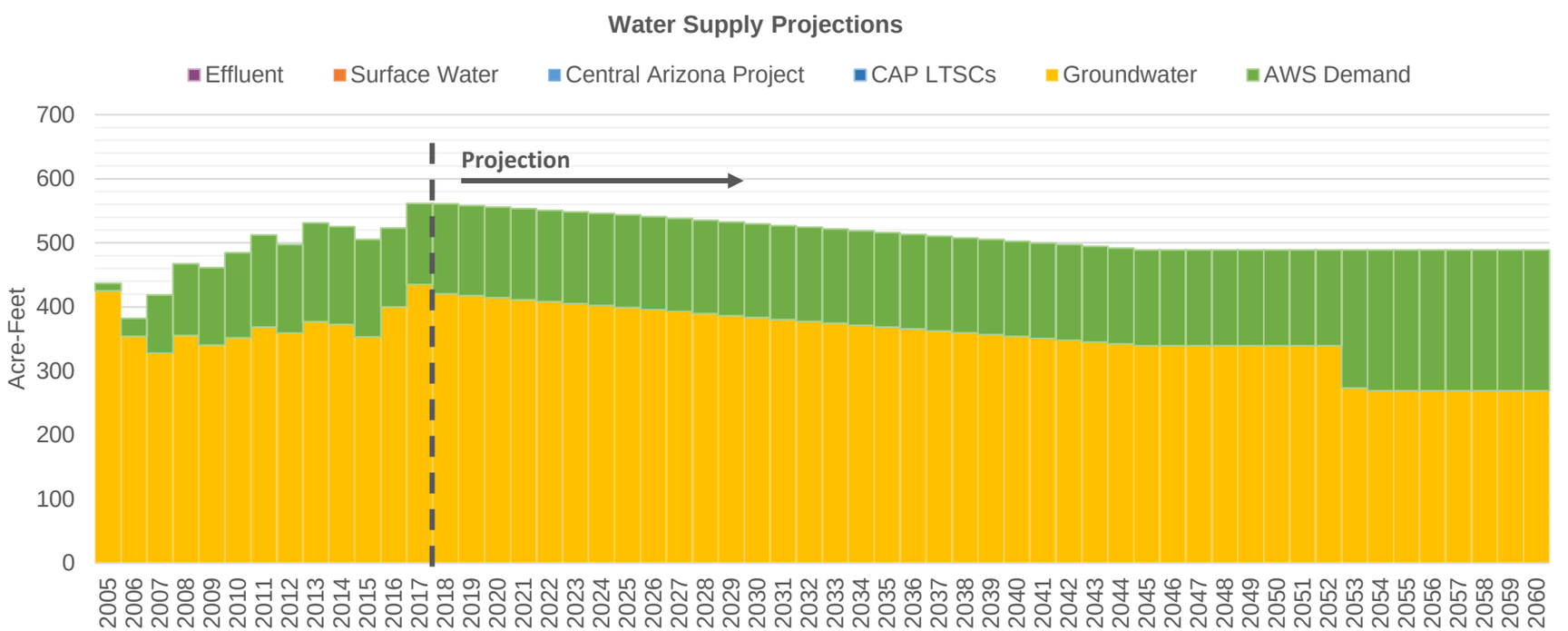
VoyagerWC

Central Arizona Project Service Area Model

B. Slow, Compact, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

VoyagerWC

B. Slow, Compact, Dry Climate [LSCRBS]

7/6/20 12:20 PM

Demand Assumptions **Water Supply Projections** (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,546	324	157	0	0	0	0	0	0	0	421	141
2019	1,551	322	157	0	0	0	0	0	0	0	418	141
2020	1,555	320	157	0	0	0	0	0	0	0	414	141
2021	1,560	318	157	0	0	0	0	0	0	0	411	142
2022	1,564	317	157	0	0	0	0	0	0	0	408	143
2023	1,569	315	157	0	0	0	0	0	0	0	405	143
2024	1,574	312	157	0	0	0	0	0	0	0	402	144
2025	1,578	311	157	0	0	0	0	0	0	0	399	145
2026	1,581	309	157	0	0	0	0	0	0	0	396	145
2027	1,583	307	157	0	0	0	0	0	0	0	393	145
2028	1,585	305	157	0	0	0	0	0	0	0	390	146
2029	1,587	304	157	0	0	0	0	0	0	0	386	146
2030	1,589	302	157	0	0	0	0	0	0	0	383	146
2031	1,592	300	157	0	0	0	0	0	0	0	380	146
2032	1,594	297	157	0	0	0	0	0	0	0	377	147
2033	1,596	296	157	0	0	0	0	0	0	0	374	147
2034	1,598	295	157	0	0	0	0	0	0	0	371	147
2035	1,599	293	157	0	0	0	0	0	0	0	368	148
2036	1,601	290	157	0	0	0	0	0	0	0	365	148
2037	1,603	289	157	0	0	0	0	0	0	0	362	148
2038	1,604	288	157	0	0	0	0	0	0	0	359	148
2039	1,606	286	157	0	0	0	0	0	0	0	357	148
2040	1,608	283	157	0	0	0	0	0	0	0	354	149
2041	1,609	282	157	0	0	0	0	0	0	0	351	149
2042	1,611	281	157	0	0	0	0	0	0	0	348	149
2043	1,612	279	157	0	0	0	0	0	0	0	345	149
2044	1,612	277	157	0	0	0	0	0	0	0	342	149
2045	1,612	276	157	0	0	0	0	0	0	0	339	149
2046	1,612	276	157	0	0	0	0	0	0	0	339	149
2047	1,612	276	157	0	0	0	0	0	0	0	339	149
2048	1,612	276	157	0	0	0	0	0	0	0	339	149
2049	1,612	276	157	0	0	0	0	0	0	0	339	149
2050	1,612	276	157	0	0	0	0	0	0	0	339	149
2051	1,612	276	157	0	0	0	0	0	0	0	339	149
2052	1,612	276	157	0	0	0	0	0	0	0	339	149
2053	1,612	276	157	0	0	0	0	0	0	0	273	215
2054	1,612	276	157	0	0	0	0	0	0	0	269	220
2055	1,612	276	157	0	0	0	0	0	0	0	269	220
2056	1,612	276	157	0	0	0	0	0	0	0	269	220
2057	1,612	276	157	0	0	0	0	0	0	0	269	220
2058	1,612	276	157	0	0	0	0	0	0	0	269	220
2059	1,612	276	157	0	0	0	0	0	0	0	269	220
2060	1,612	276	157	0	0	0	0	0	0	0	269	220

CAP:SAM Supply and Demand Projections by Water Provider

Scenario C

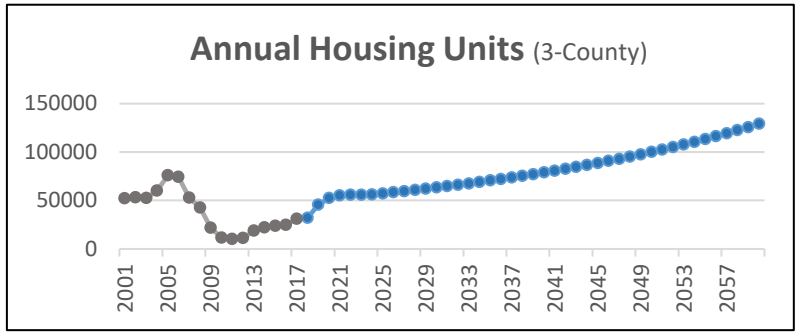
Climate: Best Case
Growth Rate: Rapid
Growth Pattern: Outward
Relative Risk: High

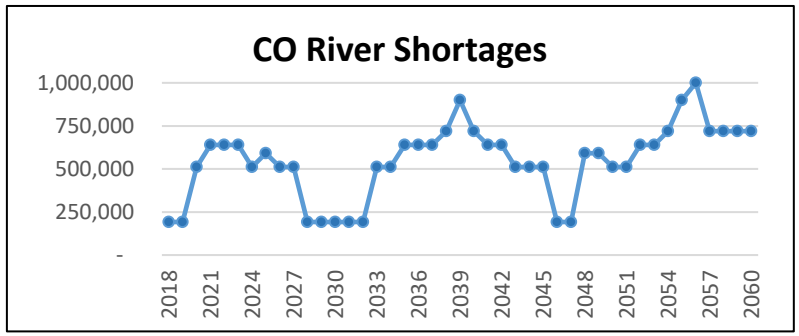
C. Rapid, Outward, Dry Climate [LSCRBS]

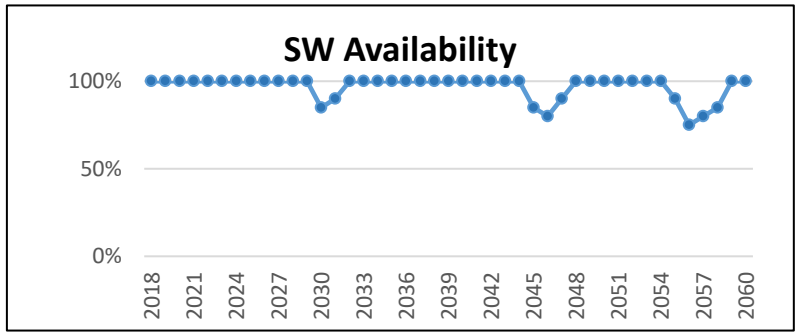
Run Date: 7/7/2020 **Filename:** CAPServiceArea_v3.50_LSCRBS_A(

Growth rate based on High growth series form AZ Dept. of Administration, and outward growth pattern. "Dry" = "Best Case

Allow Shortages	Yes	
Select CRSS Array	3	*3=Synthetic*
Use Specific Trace	Yes	
Selected Trace	2	*1=Moderate; 2=Deep; 3=Slight*
AWBA Max M&I	20%	
Surface Water Scenario	2	*1=No Reduction; 2=Occational; 3=Frequent*
Use CAP Buildup	Yes	
CAP Buildup Scenario	2	*1=2035; 2=2045*
HU Growth Pattern	3	*1=Baseline*
HU Forecast	2	*1=Use Curve; 2=Eller Forecast*
HU Curve	1	
HU Growth Start Rate	2%	
HU Ordinary Level	56,000	
HU Rate @ 50 yrs	3%	
GPHUD Change Existing	-0.6%	*per year*
GPHUD Max Change Existing	-15%	
GPHUD Min Existing	180	
GPHUD Scenario New	1	
GPHUD Change New	-0.2%	*per year*
Ag Climate Adjustment	0.1	
Ag Efficiency Increase	0.1%	*per year*
Ag Efficiency Goal	80%	
Ag Replace Crop CU	2.66	
Ag Intensity Scenario	2	
Ag Develop on Crops	60%	*Perecent of max on active Ag*
Ag Acres Replace Percent	0%	
Ag Replace Crop Year	2025	



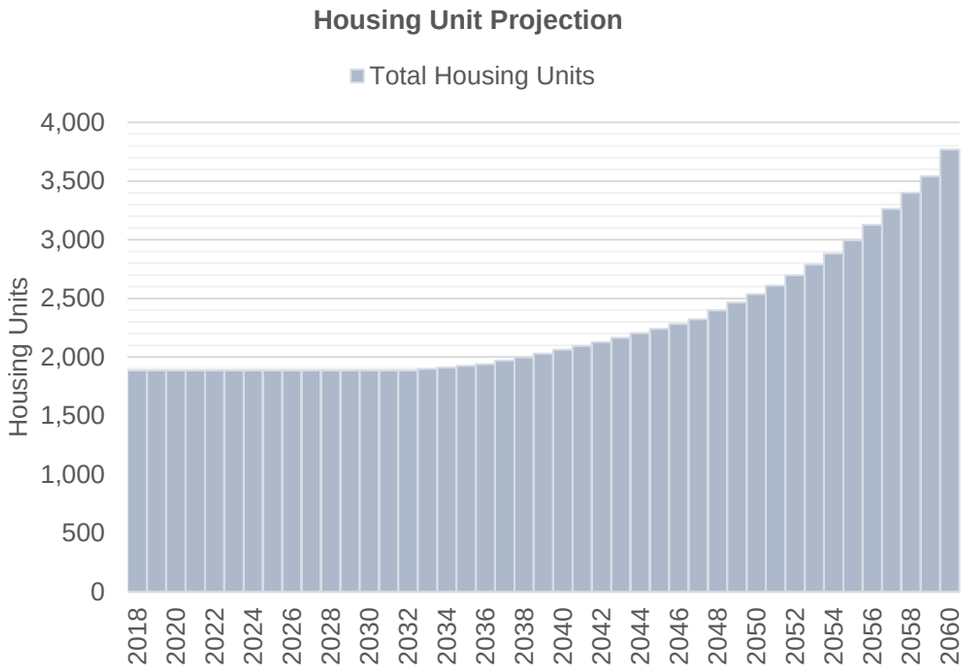


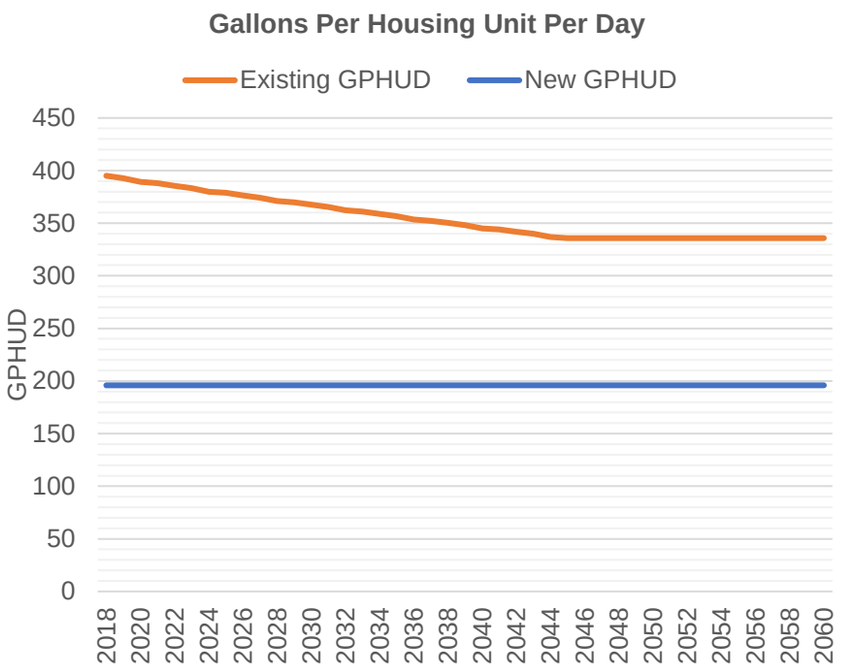


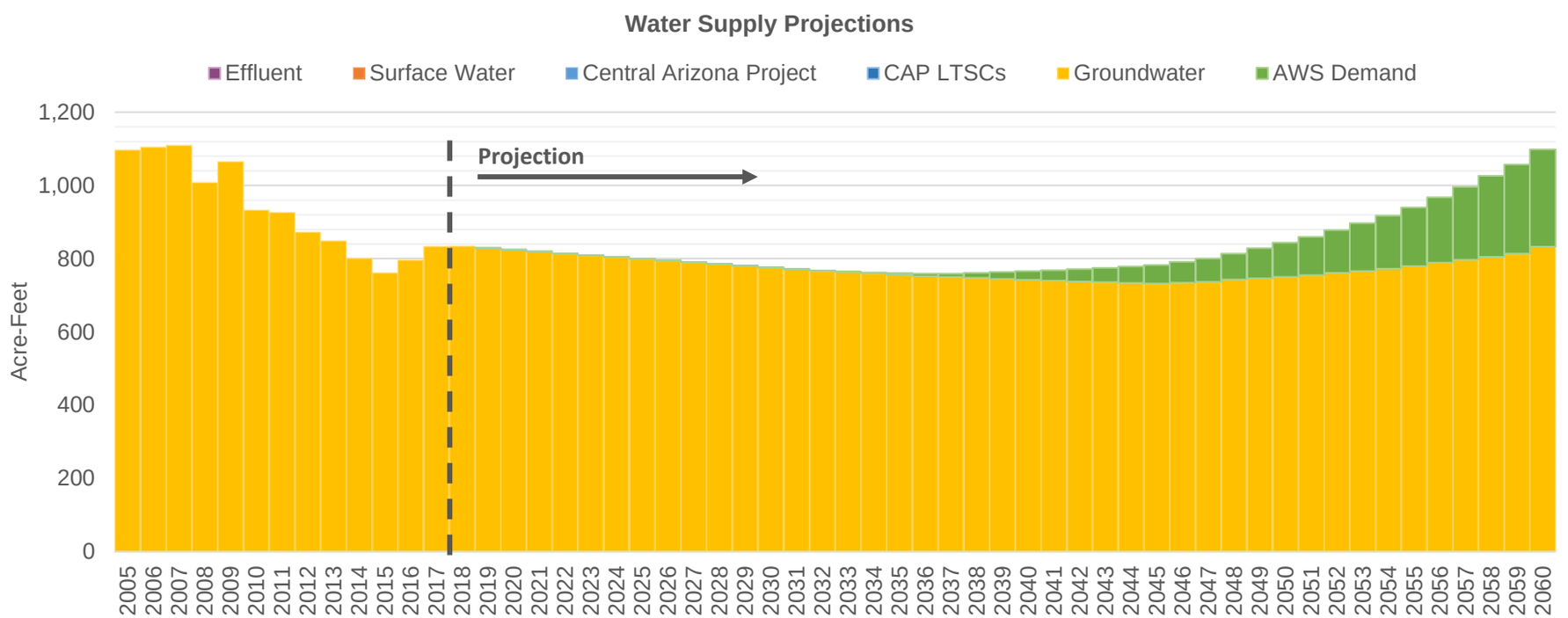
Central Arizona Project Service Area Model

AvraWaterCoop

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

AvraWaterCoop

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

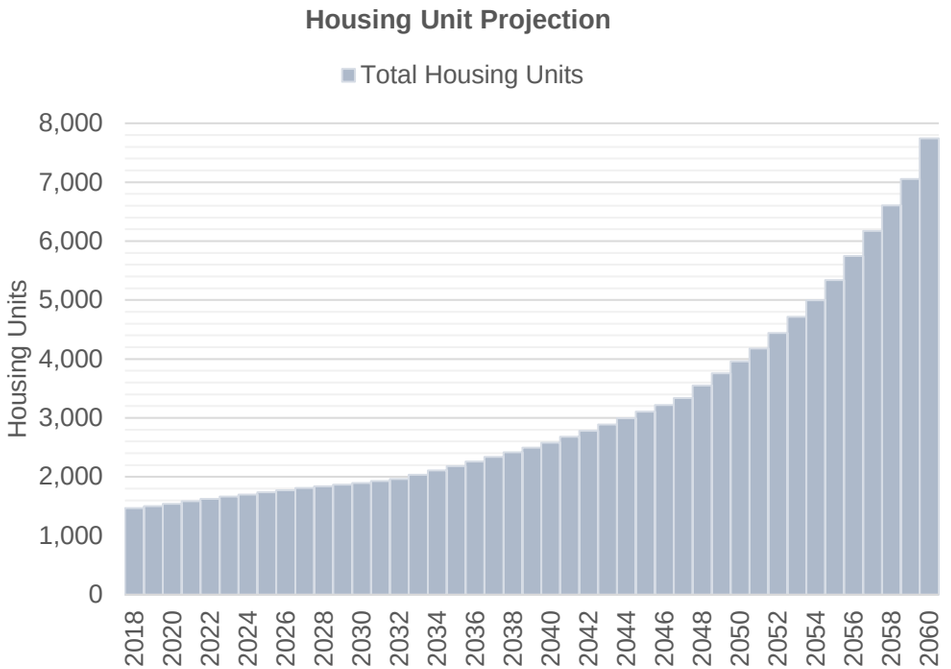
Water Supply Projections (Acre-Feet)

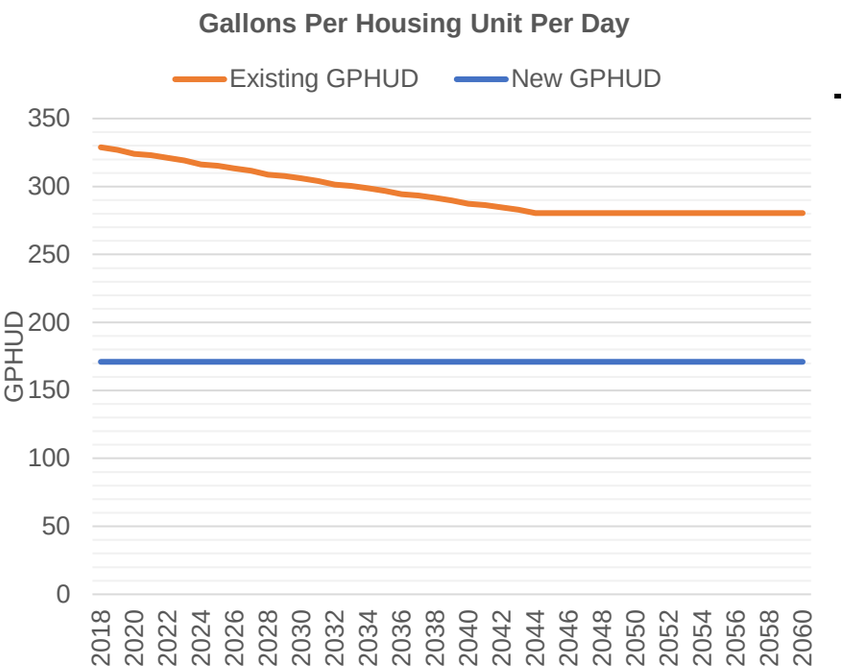
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,885	395	196	0	0	0	0	0	0	0	834	0
2019	1,885	393	196	0	0	0	0	0	0	0	829	0
2020	1,885	389	196	0	0	0	0	0	0	0	824	0
2021	1,885	388	196	0	0	0	0	0	0	0	819	0
2022	1,885	386	196	0	0	0	0	0	0	0	814	0
2023	1,885	383	196	0	0	0	0	0	0	0	809	0
2024	1,885	380	196	0	0	0	0	0	0	0	804	0
2025	1,885	379	196	0	0	0	0	0	0	0	800	0
2026	1,885	376	196	0	0	0	0	0	0	0	795	0
2027	1,885	374	196	0	0	0	0	0	0	0	790	0
2028	1,885	371	196	0	0	0	0	0	0	0	785	0
2029	1,885	370	196	0	0	0	0	0	0	0	781	0
2030	1,885	368	196	0	0	0	0	0	0	0	776	0
2031	1,885	365	196	0	0	0	0	0	0	0	771	0
2032	1,886	362	196	0	0	0	0	0	0	0	767	0
2033	1,899	361	196	0	0	0	0	0	0	0	763	0
2034	1,912	359	196	0	0	0	0	0	0	0	760	2
2035	1,925	357	196	0	0	0	0	0	0	0	756	4
2036	1,939	354	196	0	0	0	0	0	0	0	752	7
2037	1,969	352	196	0	0	0	0	0	0	0	750	9
2038	1,999	350	196	0	0	0	0	0	0	0	748	14
2039	2,030	348	196	0	0	0	0	0	0	0	745	18
2040	2,062	345	196	0	0	0	0	0	0	0	743	23
2041	2,095	344	196	0	0	0	0	0	0	0	740	29
2042	2,129	342	196	0	0	0	0	0	0	0	738	34
2043	2,165	340	196	0	0	0	0	0	0	0	736	39
2044	2,203	337	196	0	0	0	0	0	0	0	734	45
2045	2,242	336	196	0	0	0	0	0	0	0	732	51
2046	2,282	336	196	0	0	0	0	0	0	0	734	58
2047	2,323	336	196	0	0	0	0	0	0	0	737	64
2048	2,397	336	196	0	0	0	0	0	0	0	743	71
2049	2,467	336	196	0	0	0	0	0	0	0	747	82
2050	2,536	336	196	0	0	0	0	0	0	0	751	94
2051	2,609	336	196	0	0	0	0	0	0	0	755	105
2052	2,698	336	196	0	0	0	0	0	0	0	762	117
2053	2,789	336	196	0	0	0	0	0	0	0	767	131
2054	2,883	336	196	0	0	0	0	0	0	0	772	145
2055	2,994	336	196	0	0	0	0	0	0	0	780	160
2056	3,126	336	196	0	0	0	0	0	0	0	789	178
2057	3,261	336	196	0	0	0	0	0	0	0	797	199
2058	3,400	336	196	0	0	0	0	0	0	0	805	221
2059	3,542	336	196	0	0	0	0	0	0	0	814	243
2060	3,769	336	196	0	0	0	0	0	0	0	833	266

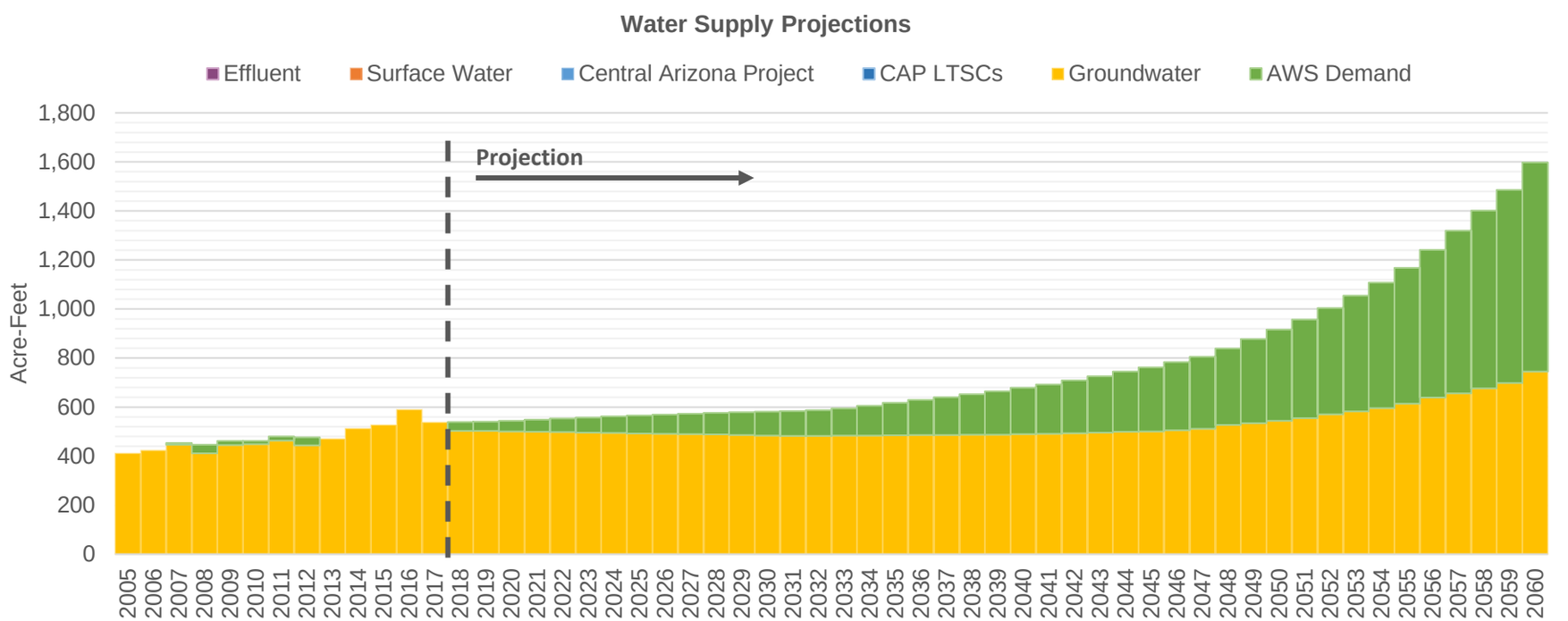
AZWCOracle

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

AZWCOracle

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

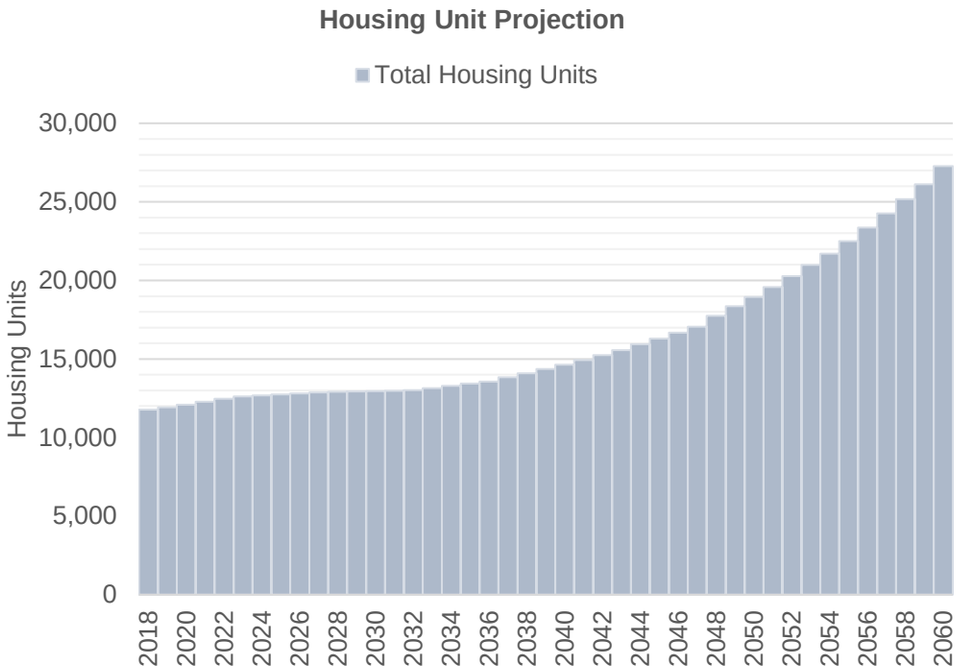
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

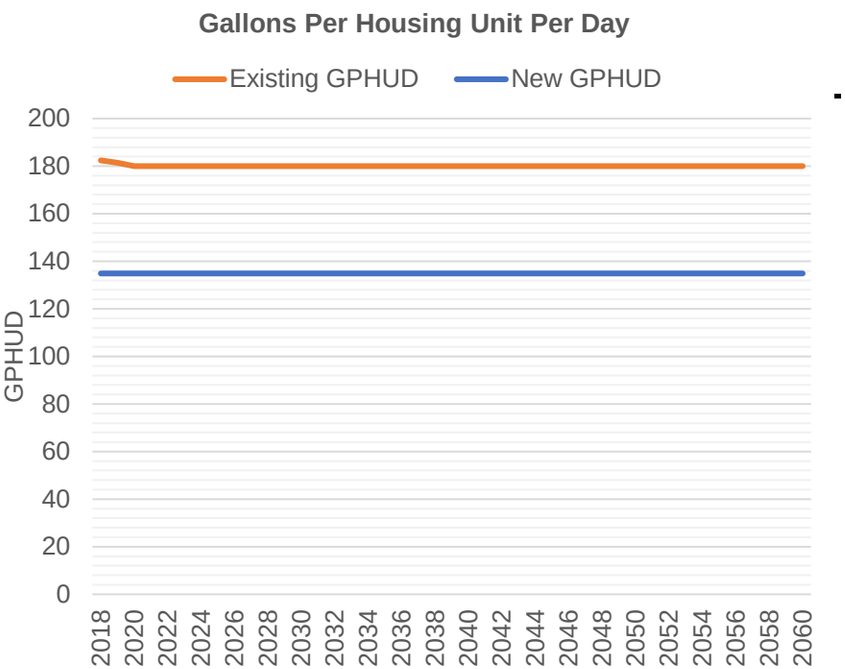
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,471	329	171	0	0	0	0	0	0	0	503	36
2019	1,505	327	171	0	0	0	0	0	0	0	503	37
2020	1,544	324	171	0	0	0	0	0	0	0	501	43
2021	1,585	323	171	0	0	0	0	0	0	0	499	49
2022	1,627	321	171	0	0	0	0	0	0	0	498	55
2023	1,666	319	171	0	0	0	0	0	0	0	496	62
2024	1,701	316	171	0	0	0	0	0	0	0	494	67
2025	1,737	315	171	0	0	0	0	0	0	0	493	73
2026	1,773	313	171	0	0	0	0	0	0	0	491	78
2027	1,810	312	171	0	0	0	0	0	0	0	490	83
2028	1,842	309	171	0	0	0	0	0	0	0	488	89
2029	1,870	308	171	0	0	0	0	0	0	0	486	93
2030	1,898	306	171	0	0	0	0	0	0	0	484	97
2031	1,928	304	171	0	0	0	0	0	0	0	483	101
2032	1.964	301	171	0	0	0	0	0	0	0	482	106
2033	2,036	300	171	0	0	0	0	0	0	0	484	111
2034	2,109	299	171	0	0	0	0	0	0	0	484	122
2035	2,184	297	171	0	0	0	0	0	0	0	485	132
2036	2,260	294	171	0	0	0	0	0	0	0	486	143
2037	2,337	293	171	0	0	0	0	0	0	0	486	154
2038	2,415	292	171	0	0	0	0	0	0	0	487	165
2039	2,496	290	171	0	0	0	0	0	0	0	488	177
2040	2,581	287	171	0	0	0	0	0	0	0	490	189
2041	2,680	286	171	0	0	0	0	0	0	0	492	201
2042	2,782	285	171	0	0	0	0	0	0	0	494	215
2043	2,888	283	171	0	0	0	0	0	0	0	496	230
2044	2,996	280	171	0	0	0	0	0	0	0	499	246
2045	3,107	280	171	0	0	0	0	0	0	0	501	262
2046	3,221	280	171	0	0	0	0	0	0	0	506	278
2047	3,337	280	171	0	0	0	0	0	0	0	511	294
2048	3,552	280	171	0	0	0	0	0	0	0	527	311
2049	3,757	280	171	0	0	0	0	0	0	0	535	343
2050	3,959	280	171	0	0	0	0	0	0	0	544	373
2051	4,176	280	171	0	0	0	0	0	0	0	555	402
2052	4,443	280	171	0	0	0	0	0	0	0	571	434
2053	4,716	280	171	0	0	0	0	0	0	0	582	473
2054	4,997	280	171	0	0	0	0	0	0	0	595	512
2055	5,338	280	171	0	0	0	0	0	0	0	614	553
2056	5,750	280	171	0	0	0	0	0	0	0	639	603
2057	6,173	280	171	0	0	0	0	0	0	0	656	663
2058	6,607	280	171	0	0	0	0	0	0	0	677	725
2059	7,053	280	171	0	0	0	0	0	0	0	698	788
2060	7,747	280	171	0	0	0	0	0	0	0	745	853

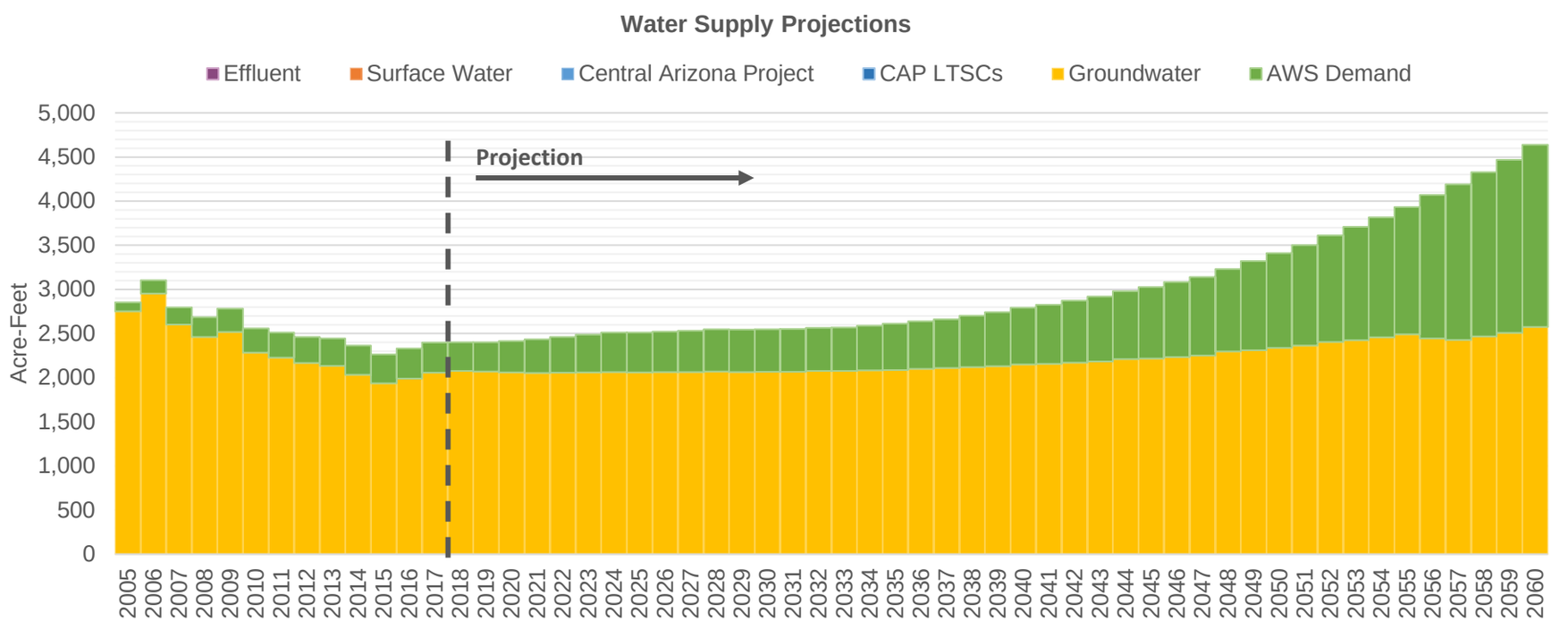
Central Arizona Project Service Area Model

CommWaterGreenVly

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

CommWaterGre

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

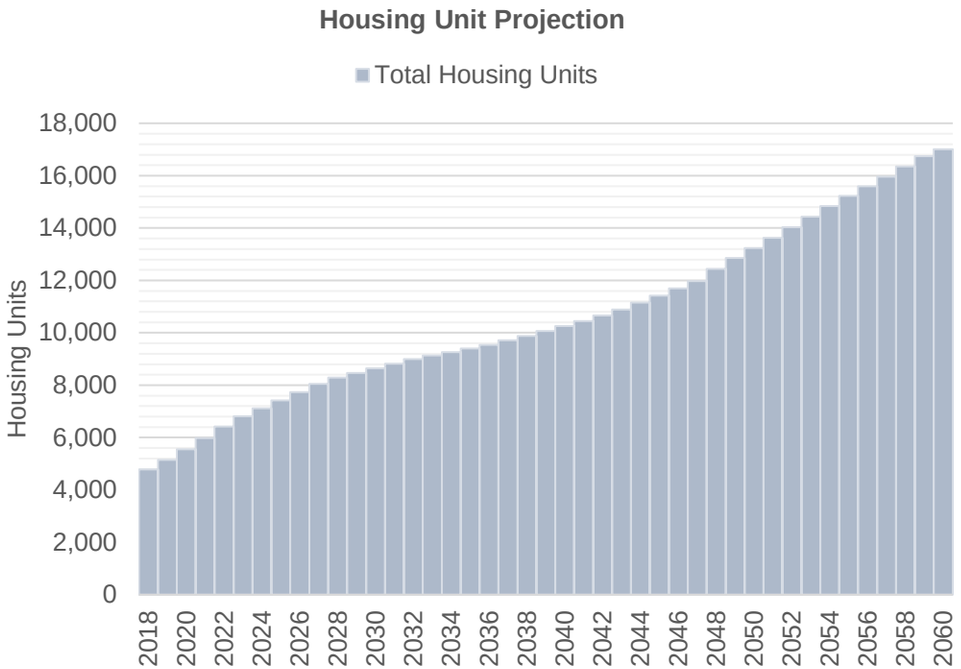
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

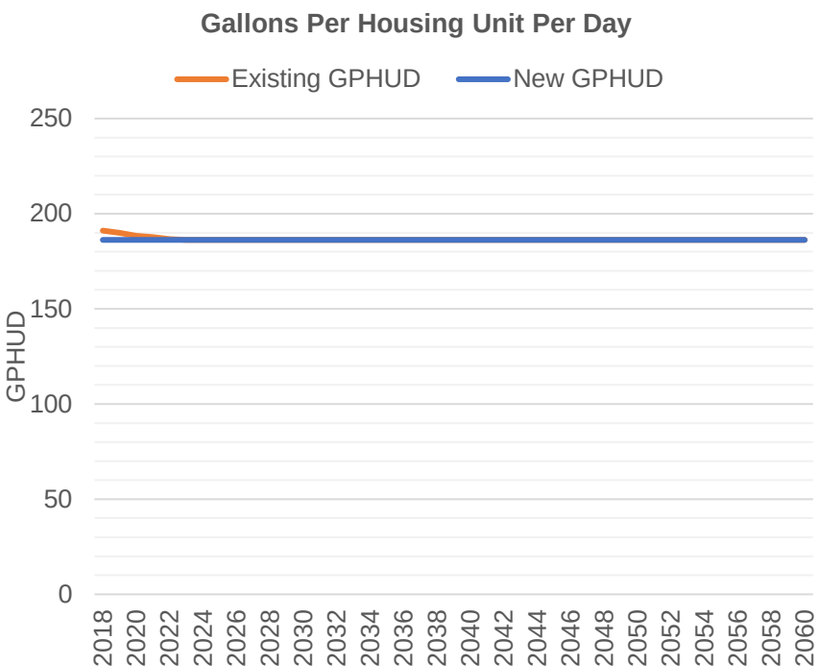
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	11,773	182	135	0	0	0	0	0	0	0	2,078	322
2019	11,925	181	135	0	0	0	0	0	0	0	2,070	330
2020	12,101	180	135	0	0	0	0	0	0	0	2,059	355
2021	12,285	180	135	0	0	0	0	0	0	0	2,053	382
2022	12,472	180	135	0	0	0	0	0	0	0	2,058	405
2023	12,618	180	135	0	0	0	0	0	0	0	2,060	428
2024	12,679	180	135	0	0	0	0	0	0	0	2,064	446
2025	12,741	180	135	0	0	0	0	0	0	0	2,059	454
2026	12,805	180	135	0	0	0	0	0	0	0	2,061	461
2027	12,869	180	135	0	0	0	0	0	0	0	2,064	468
2028	12,909	180	135	0	0	0	0	0	0	0	2,071	476
2029	12,932	180	135	0	0	0	0	0	0	0	2,064	480
2030	12,954	180	135	0	0	0	0	0	0	0	2,065	483
2031	12,977	180	135	0	0	0	0	0	0	0	2,066	485
2032	13.019	180	135	0	0	0	0	0	0	0	2.075	488
2033	13,152	180	135	0	0	0	0	0	0	0	2,077	493
2034	13,288	180	135	0	0	0	0	0	0	0	2,082	508
2035	13,428	180	135	0	0	0	0	0	0	0	2,088	523
2036	13,571	180	135	0	0	0	0	0	0	0	2,101	539
2037	13,829	180	135	0	0	0	0	0	0	0	2,108	554
2038	14,093	180	135	0	0	0	0	0	0	0	2,120	582
2039	14,363	180	135	0	0	0	0	0	0	0	2,131	611
2040	14,641	180	135	0	0	0	0	0	0	0	2,151	640
2041	14,936	180	135	0	0	0	0	0	0	0	2,156	671
2042	15,238	180	135	0	0	0	0	0	0	0	2,169	703
2043	15,572	180	135	0	0	0	0	0	0	0	2,185	736
2044	15,931	180	135	0	0	0	0	0	0	0	2,209	772
2045	16,299	180	135	0	0	0	0	0	0	0	2,216	811
2046	16,675	180	135	0	0	0	0	0	0	0	2,232	851
2047	17,061	180	135	0	0	0	0	0	0	0	2,249	892
2048	17,740	180	135	0	0	0	0	0	0	0	2,296	934
2049	18,358	180	135	0	0	0	0	0	0	0	2,312	1,008
2050	18,952	180	135	0	0	0	0	0	0	0	2,336	1,075
2051	19,574	180	135	0	0	0	0	0	0	0	2,363	1,140
2052	20,267	180	135	0	0	0	0	0	0	0	2,405	1,208
2053	20,977	180	135	0	0	0	0	0	0	0	2,425	1,283
2054	21,706	180	135	0	0	0	0	0	0	0	2,457	1,360
2055	22,501	180	135	0	0	0	0	0	0	0	2,492	1,440
2056	23,371	180	135	0	0	0	0	0	0	0	2,443	1,626
2057	24,263	180	135	0	0	0	0	0	0	0	2,427	1,764
2058	25,179	180	135	0	0	0	0	0	0	0	2,467	1,861
2059	26,120	180	135	0	0	0	0	0	0	0	2,507	1,961
2060	27,268	180	135	0	0	0	0	0	0	0	2,575	2,063

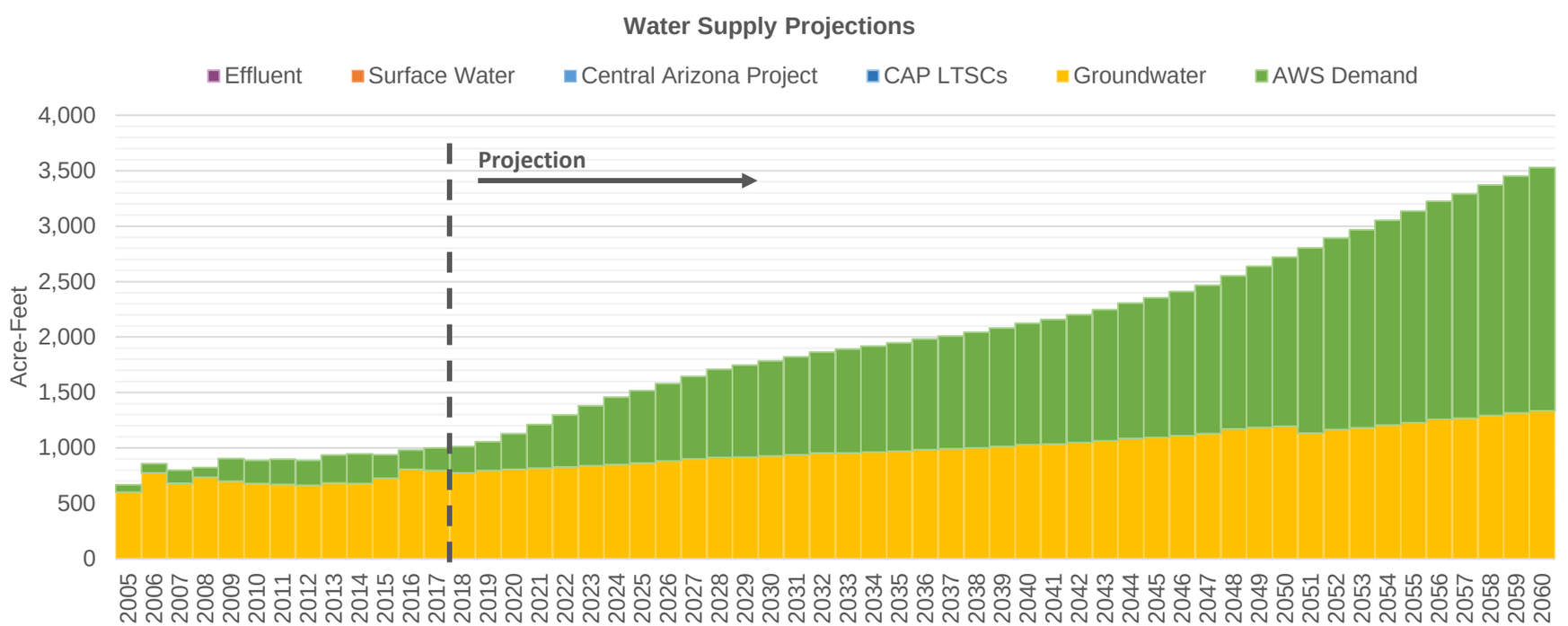
FarmersWC

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

FarmersWC

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

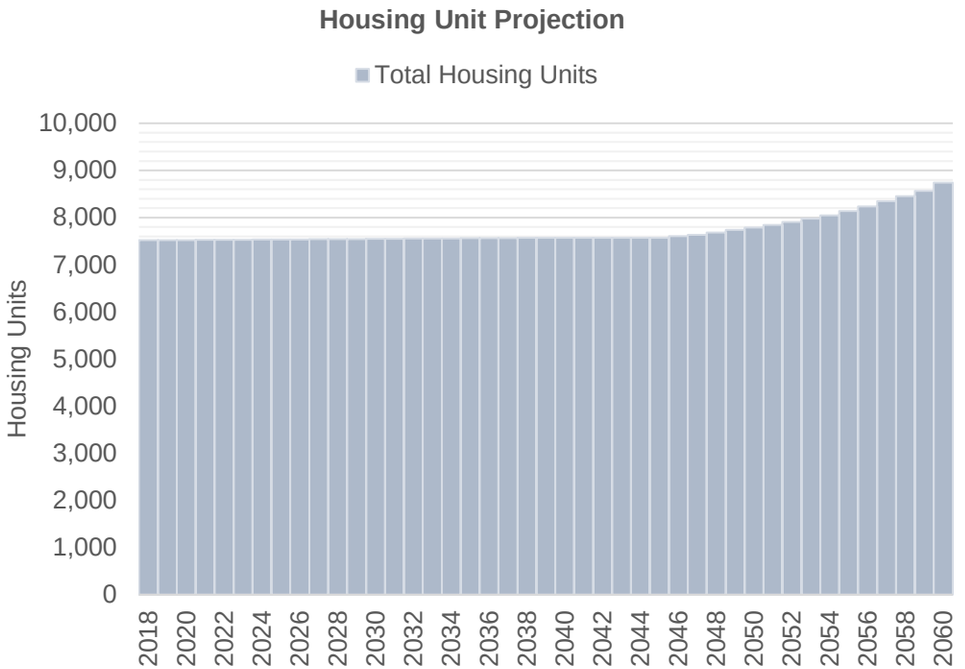
Water Supply Projections (Acre-Feet)

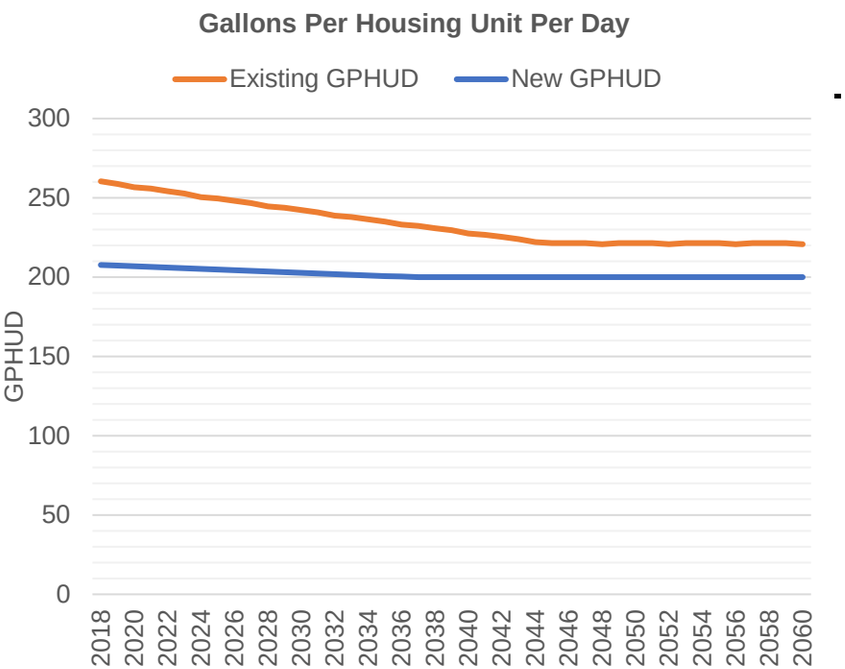
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,787	191	186	0	0	0	0	0	0	0	774	238
2019	5,143	190	186	0	0	0	0	0	0	0	797	258
2020	5,555	188	186	0	0	0	0	0	0	0	809	321
2021	5,986	188	186	0	0	0	0	0	0	0	817	394
2022	6,423	187	186	0	0	0	0	0	0	0	829	467
2023	6,816	186	186	0	0	0	0	0	0	0	840	541
2024	7,116	186	186	0	0	0	0	0	0	0	850	607
2025	7,421	186	186	0	0	0	0	0	0	0	864	653
2026	7,733	186	186	0	0	0	0	0	0	0	882	698
2027	8,051	186	186	0	0	0	0	0	0	0	901	745
2028	8,286	186	186	0	0	0	0	0	0	0	916	793
2029	8,461	186	186	0	0	0	0	0	0	0	918	828
2030	8,640	186	186	0	0	0	0	0	0	0	929	855
2031	8,823	186	186	0	0	0	0	0	0	0	940	882
2032	9.001	186	186	0	0	0	0	0	0	0	955	909
2033	9,131	186	186	0	0	0	0	0	0	0	955	936
2034	9,264	186	186	0	0	0	0	0	0	0	963	955
2035	9,400	186	186	0	0	0	0	0	0	0	971	975
2036	9,540	186	186	0	0	0	0	0	0	0	985	996
2037	9,711	186	186	0	0	0	0	0	0	0	991	1,017
2038	9,886	186	186	0	0	0	0	0	0	0	1,001	1,043
2039	10,066	186	186	0	0	0	0	0	0	0	1,012	1,069
2040	10,252	186	186	0	0	0	0	0	0	0	1,029	1,096
2041	10,453	186	186	0	0	0	0	0	0	0	1,036	1,124
2042	10,659	186	186	0	0	0	0	0	0	0	1,048	1,154
2043	10,895	186	186	0	0	0	0	0	0	0	1,063	1,185
2044	11,154	186	186	0	0	0	0	0	0	0	1,086	1,221
2045	11,420	186	186	0	0	0	0	0	0	0	1,095	1,260
2046	11,691	186	186	0	0	0	0	0	0	0	1,111	1,300
2047	11,970	186	186	0	0	0	0	0	0	0	1,128	1,340
2048	12,442	186	186	0	0	0	0	0	0	0	1,171	1,382
2049	12,852	186	186	0	0	0	0	0	0	0	1,185	1,453
2050	13,239	186	186	0	0	0	0	0	0	0	1,196	1,526
2051	13,633	186	186	0	0	0	0	0	0	0	1,134	1,669
2052	14,026	186	186	0	0	0	0	0	0	0	1,165	1,728
2053	14,429	186	186	0	0	0	0	0	0	0	1,181	1,787
2054	14,842	186	186	0	0	0	0	0	0	0	1,205	1,848
2055	15,233	186	186	0	0	0	0	0	0	0	1,227	1,910
2056	15,595	186	186	0	0	0	0	0	0	0	1,256	1,968
2057	15,966	186	186	0	0	0	0	0	0	0	1,269	2,023
2058	16,347	186	186	0	0	0	0	0	0	0	1,292	2,079
2059	16,739	186	186	0	0	0	0	0	0	0	1,315	2,136
2060	17,007	186	186	0	0	0	0	0	0	0	1,335	2,195

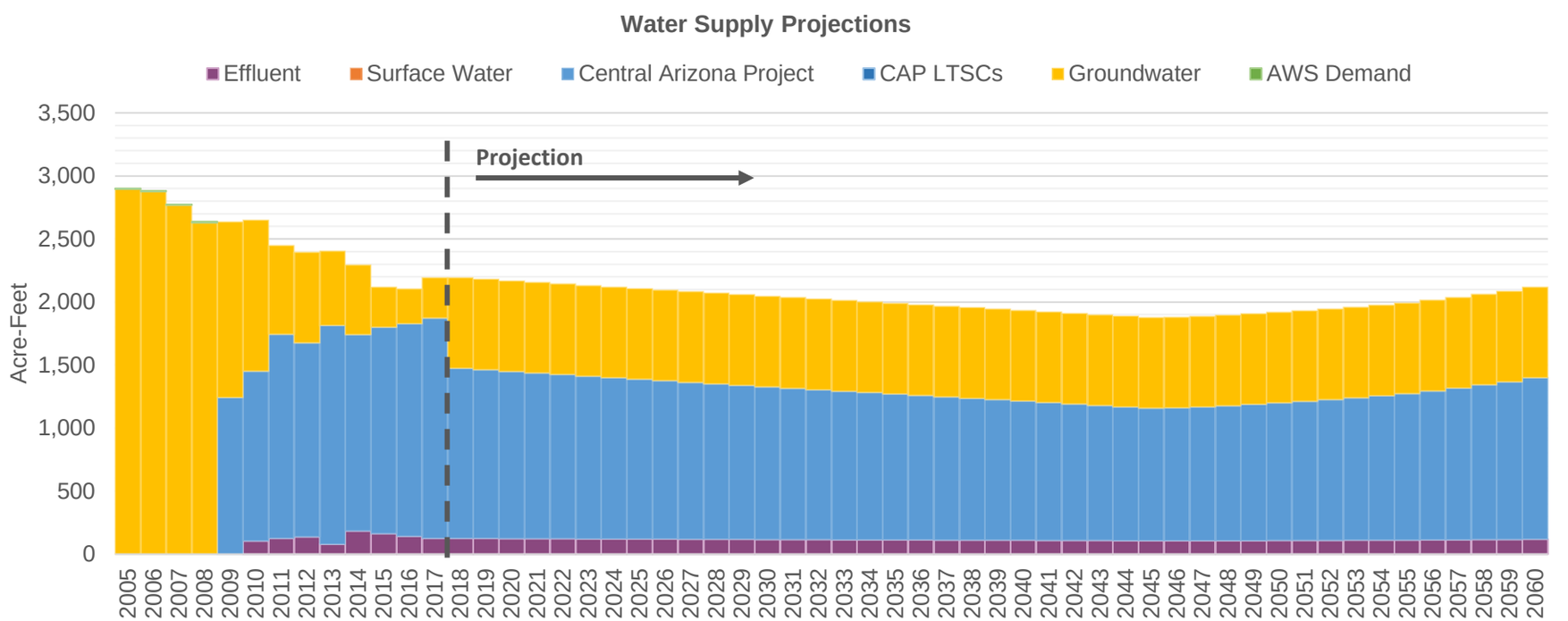
FWID

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

FWID

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

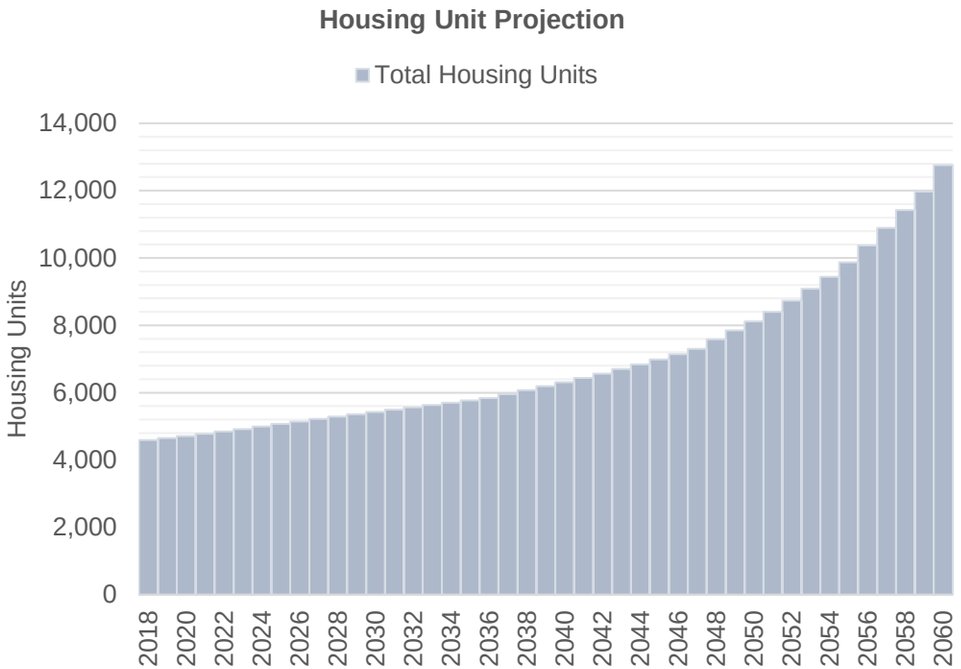
Water Supply Projections (Acre-Feet)

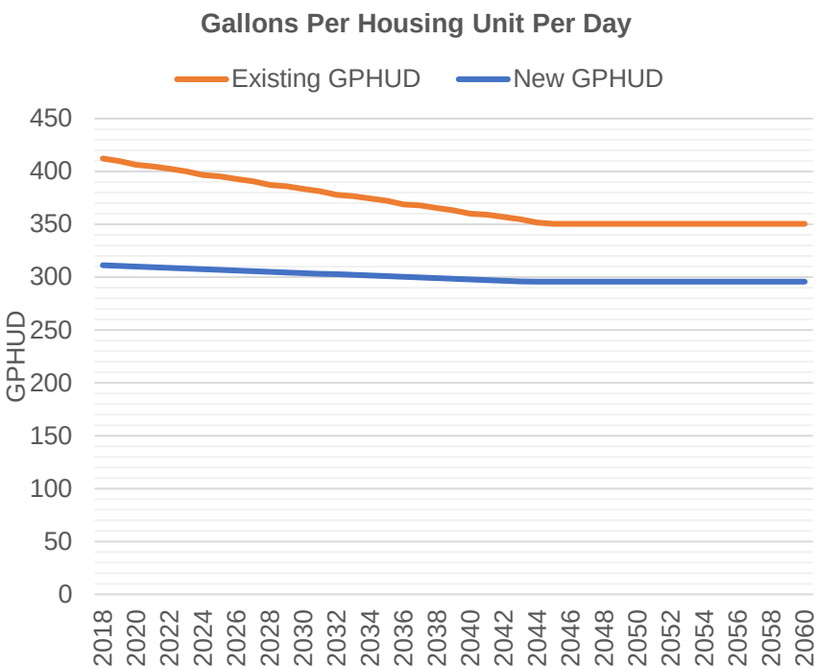
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	7,522	260	208	125	0	0	0	1,350	1,523	0	719	0
2019	7,523	259	207	125	0	0	0	1,337	1,536	0	719	0
2020	7,525	257	207	124	0	0	0	1,325	1,548	0	719	0
2021	7,528	256	206	124	0	0	0	1,313	1,560	0	719	0
2022	7,530	254	206	123	0	0	0	1,302	1,571	0	719	0
2023	7,532	253	206	122	0	0	0	1,290	1,583	0	719	0
2024	7,534	251	205	121	0	0	0	1,279	1,594	0	719	0
2025	7,537	250	205	121	0	0	0	1,267	1,606	0	719	0
2026	7,539	248	204	120	0	0	0	1,255	1,618	0	719	0
2027	7,541	247	204	119	0	0	0	1,244	1,629	0	719	0
2028	7,544	245	204	119	0	0	0	1,233	1,640	0	719	0
2029	7,546	244	203	118	0	0	0	1,222	1,651	0	719	0
2030	7,549	242	203	117	0	0	0	1,211	1,662	0	719	0
2031	7,551	241	202	117	0	0	0	1,200	1,673	0	719	0
2032	7,554	239	202	116	0	0	0	1,189	1,684	0	719	0
2033	7,556	238	202	115	0	0	0	1,178	1,695	0	719	0
2034	7,559	237	201	115	0	0	0	1,167	1,706	0	719	0
2035	7,561	235	201	114	0	0	0	1,156	1,717	0	719	0
2036	7,564	233	200	113	0	0	0	1,146	1,727	0	719	0
2037	7,567	232	200	113	0	0	0	1,135	1,738	0	719	0
2038	7,570	231	200	112	0	0	0	1,125	1,748	0	719	0
2039	7,573	230	200	111	0	0	0	1,115	1,252	0	719	0
2040	7,574	228	200	111	0	0	0	1,104	1,751	0	719	0
2041	7,574	227	200	110	0	0	0	1,093	1,780	0	719	0
2042	7,574	225	200	110	0	0	0	1,082	1,791	0	719	0
2043	7,574	224	200	109	0	0	0	1,071	1,802	0	719	0
2044	7,574	222	200	108	0	0	0	1,061	1,812	0	719	0
2045	7,574	221	200	108	0	0	0	1,050	1,823	0	719	0
2046	7,603	221	200	107	0	0	0	1,054	1,819	0	719	0
2047	7,632	221	200	107	0	0	0	1,060	1,813	0	719	0
2048	7,686	221	200	107	0	0	0	1,070	1,803	0	719	0
2049	7,738	221	200	108	0	0	0	1,080	1,793	0	719	0
2050	7,788	221	200	109	0	0	0	1,091	1,782	0	719	0
2051	7,843	221	200	109	0	0	0	1,103	1,770	0	719	0
2052	7,910	221	200	110	0	0	0	1,115	1,665	0	719	0
2053	7,979	221	200	111	0	0	0	1,130	1,651	0	719	0
2054	8,049	221	200	112	0	0	0	1,144	1,436	0	719	0
2055	8,135	221	200	113	0	0	0	1,161	971	0	719	0
2056	8,239	221	200	114	0	0	0	1,182	702	0	719	0
2057	8,346	221	200	115	0	0	0	1,204	1,377	0	719	0
2058	8,455	221	200	116	0	0	0	1,227	1,354	0	719	0
2059	8,567	221	200	117	0	0	0	1,250	1,330	0	719	0
2060	8,743	221	200	119	0	0	0	1,281	1,299	0	719	0

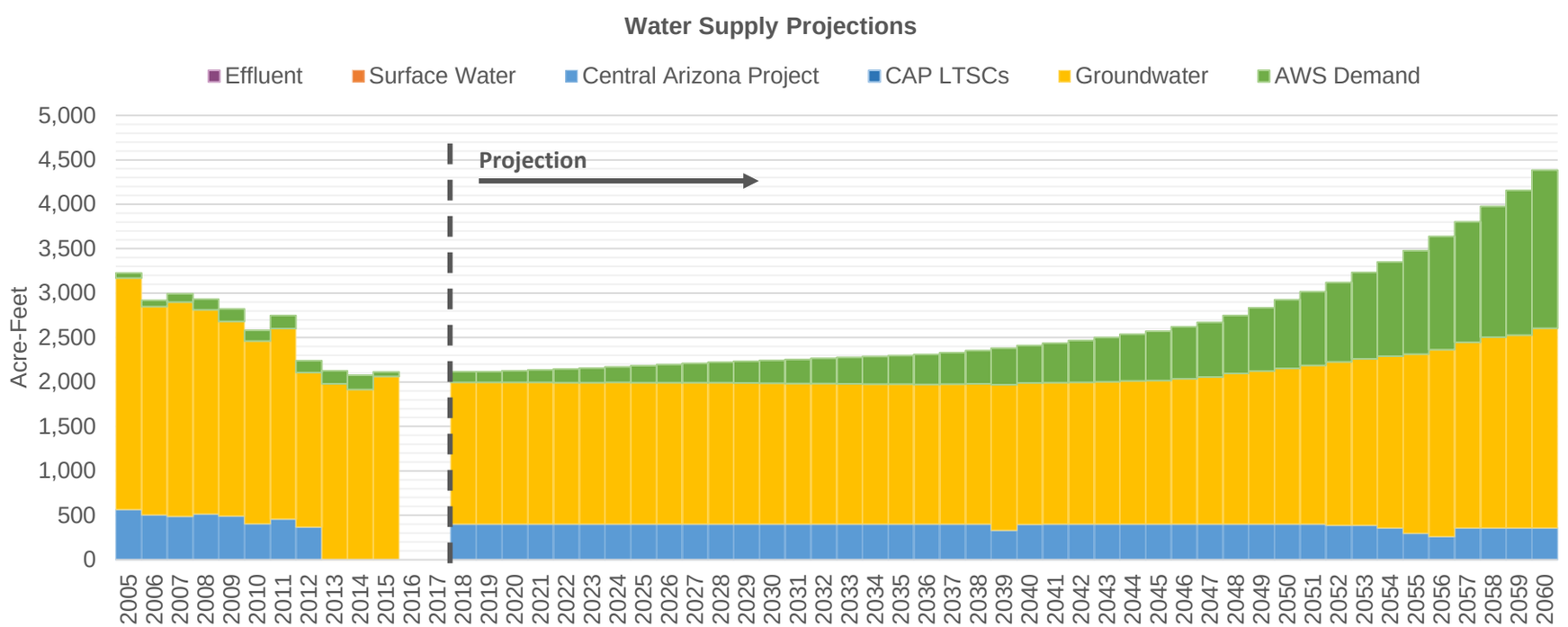
Central Arizona Project Service Area Model

GVDWID

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

GVDWID

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

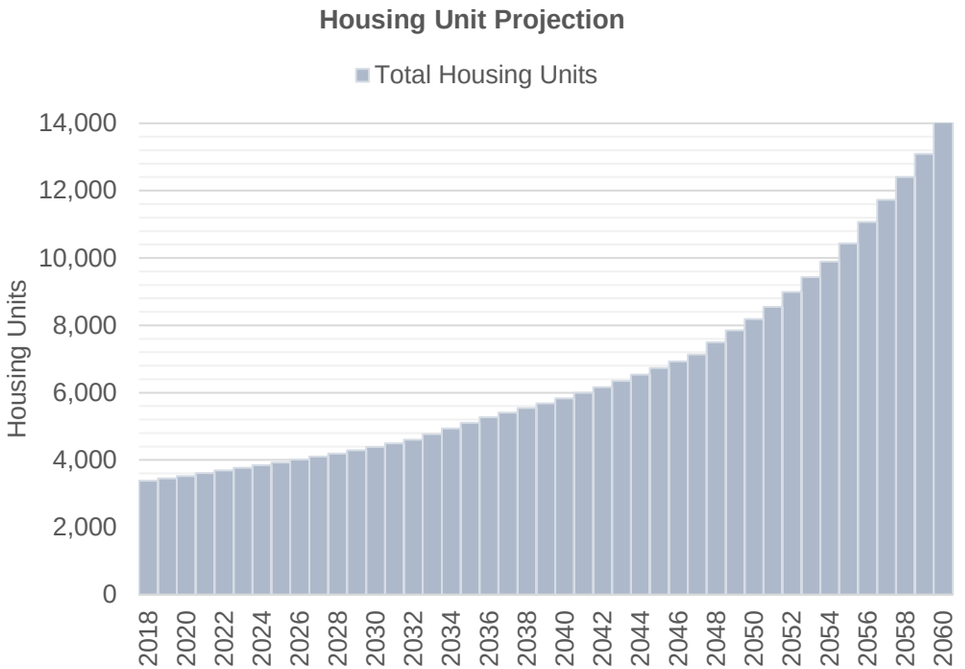
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

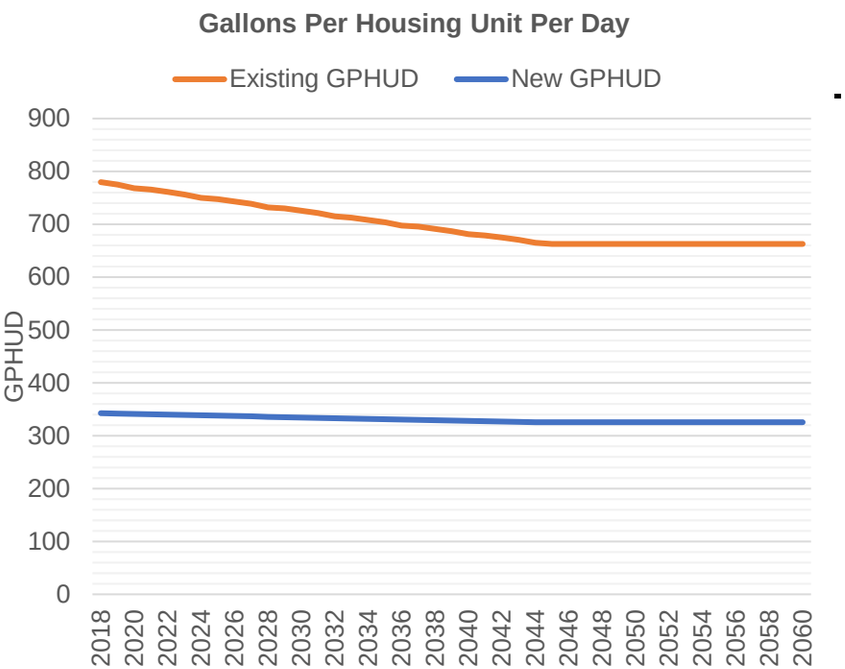
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,595	412	311	0	0	0	399	0	0	0	1,599	119
2019	4,651	410	311	0	0	0	399	0	0	0	1,596	122
2020	4,715	406	310	0	0	0	399	0	0	0	1,596	131
2021	4,783	405	309	0	0	0	399	0	0	0	1,596	141
2022	4,851	402	309	0	0	0	399	0	0	0	1,595	152
2023	4,921	400	308	0	0	0	399	0	0	0	1,595	163
2024	4,994	397	308	0	0	0	399	0	0	0	1,596	175
2025	5,069	395	307	0	0	0	399	0	0	0	1,595	188
2026	5,145	393	306	0	0	0	399	0	0	0	1,595	202
2027	5,223	391	306	0	0	0	399	0	0	0	1,595	216
2028	5,293	387	305	0	0	0	399	0	0	0	1,594	230
2029	5,358	386	304	0	0	0	399	0	0	0	1,591	244
2030	5,425	384	304	0	0	0	399	0	0	0	1,588	256
2031	5,492	381	303	0	0	0	399	0	0	0	1,585	270
2032	5.561	378	303	0	0	0	399	0	0	0	1.584	283
2033	5,630	377	302	0	0	0	399	0	0	0	1,580	296
2034	5,699	374	301	0	0	0	399	0	0	0	1,578	310
2035	5,771	372	301	0	0	0	399	0	0	0	1,576	324
2036	5,844	369	300	0	0	0	399	0	0	0	1,575	338
2037	5,956	368	300	0	0	0	399	0	0	0	1,578	352
2038	6,071	365	299	0	0	0	399	0	0	0	1,581	375
2039	6,189	363	298	0	0	0	329	0	0	0	1,641	412
2040	6,309	360	298	0	0	0	396	0	0	0	1,592	422
2041	6,435	359	297	0	0	0	399	0	0	0	1,593	446
2042	6,563	357	297	0	0	0	399	0	0	0	1,598	471
2043	6,700	355	296	0	0	0	399	0	0	0	1,604	497
2044	6,844	352	296	0	0	0	399	0	0	0	1,613	525
2045	6,992	350	296	0	0	0	399	0	0	0	1,619	554
2046	7,143	350	296	0	0	0	399	0	0	0	1,638	585
2047	7,298	350	296	0	0	0	399	0	0	0	1,657	616
2048	7,582	350	296	0	0	0	399	0	0	0	1,698	650
2049	7,851	350	296	0	0	0	399	0	0	0	1,726	712
2050	8,114	350	296	0	0	0	399	0	0	0	1,755	771
2051	8,396	350	296	0	0	0	399	0	0	0	1,787	829
2052	8,737	350	296	0	0	0	386	0	0	0	1,840	896
2053	9,087	350	296	0	0	0	386	0	0	0	1,874	972
2054	9,445	350	296	0	0	0	358	0	0	0	1,931	1,060
2055	9,872	350	296	0	0	0	296	0	0	0	2,019	1,165
2056	10,377	350	296	0	0	0	262	0	0	0	2,102	1,276
2057	10,895	350	296	0	0	0	358	0	0	0	2,091	1,355
2058	11,426	350	296	0	0	0	358	0	0	0	2,146	1,473
2059	11,972	350	296	0	0	0	358	0	0	0	2,168	1,629
2060	12,761	350	296	0	0	0	358	0	0	0	2,245	1,780

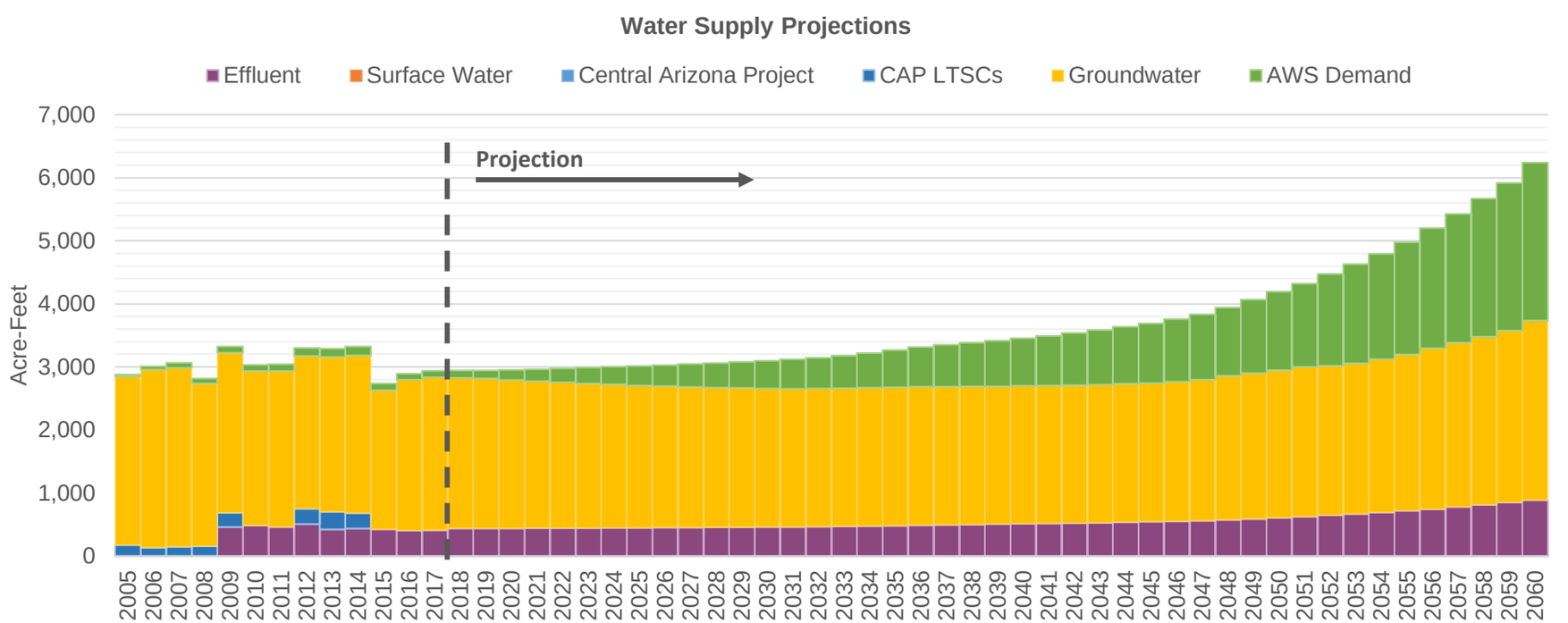
LagoDelOro

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LagoDelOro

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

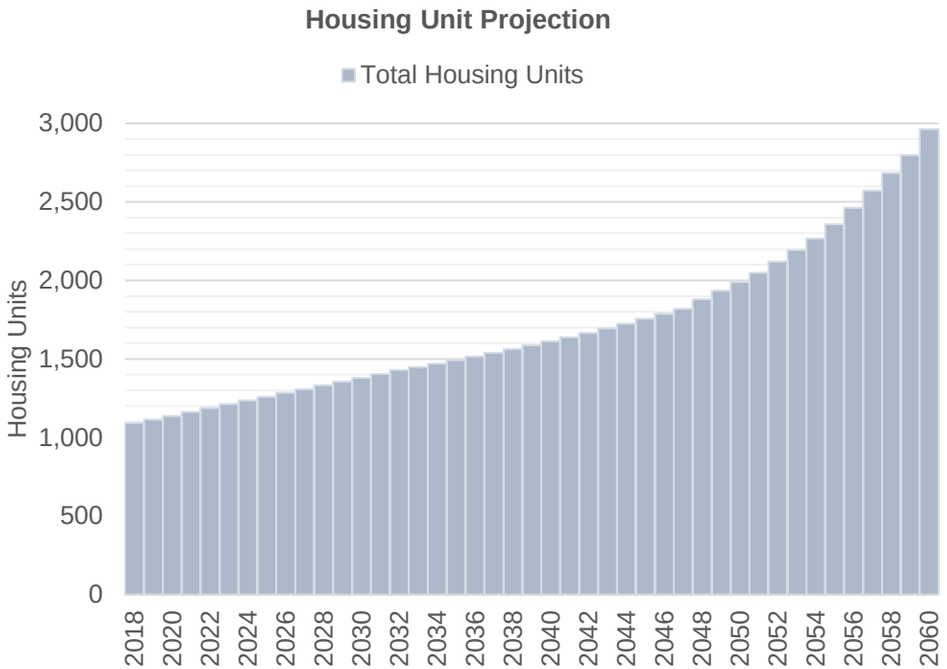
Water Supply Projections (Acre-Feet)

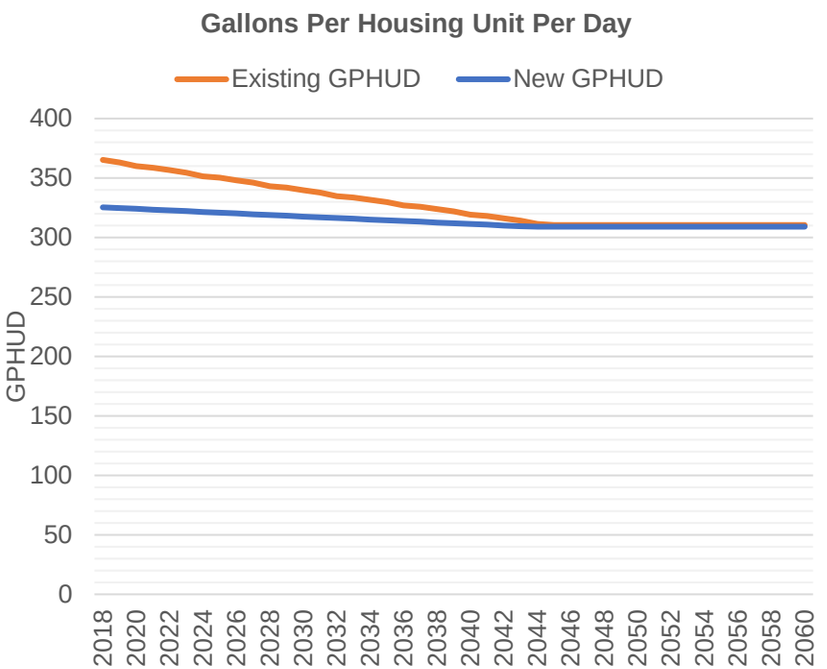
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,387	780	343	441	0	0	0	0	0	0	2,387	116
2019	3,452	775	342	441	0	0	0	0	0	0	2,376	126
2020	3,528	768	341	441	0	0	0	0	0	0	2,356	155
2021	3,607	766	341	442	0	0	0	0	0	0	2,333	190
2022	3,687	761	340	444	0	0	0	0	0	0	2,313	220
2023	3,767	757	339	446	0	0	0	0	0	0	2,293	251
2024	3,848	750	339	448	0	0	0	0	0	0	2,275	281
2025	3,930	748	338	450	0	0	0	0	0	0	2,256	311
2026	4,014	743	337	452	0	0	0	0	0	0	2,242	336
2027	4,100	739	337	454	0	0	0	0	0	0	2,229	363
2028	4,192	732	336	456	0	0	0	0	0	0	2,219	388
2029	4,290	730	335	459	0	0	0	0	0	0	2,207	414
2030	4,390	725	335	461	0	0	0	0	0	0	2,198	441
2031	4,492	721	334	464	0	0	0	0	0	0	2,192	465
2032	4.604	715	333	467	0	0	0	0	0	0	2.190	487
2033	4,766	712	333	471	0	0	0	0	0	0	2,194	512
2034	4,932	708	332	476	0	0	0	0	0	0	2,197	549
2035	5,101	704	331	483	0	0	0	0	0	0	2,197	586
2036	5,273	698	331	489	0	0	0	0	0	0	2,200	625
2037	5,407	695	330	496	0	0	0	0	0	0	2,192	664
2038	5,543	691	329	502	0	0	0	0	0	0	2,188	694
2039	5,683	687	329	507	0	0	0	0	0	0	2,186	725
2040	5,830	681	328	512	0	0	0	0	0	0	2,187	756
2041	5,996	679	327	518	0	0	0	0	0	0	2,186	790
2042	6,167	675	327	523	0	0	0	0	0	0	2,188	827
2043	6,347	671	326	530	0	0	0	0	0	0	2,189	866
2044	6,536	665	326	537	0	0	0	0	0	0	2,195	906
2045	6,729	663	326	545	0	0	0	0	0	0	2,196	949
2046	6,927	663	326	553	0	0	0	0	0	0	2,216	993
2047	7,130	663	326	563	0	0	0	0	0	0	2,234	1,037
2048	7,499	663	326	574	0	0	0	0	0	0	2,284	1,084
2049	7,847	663	326	591	0	0	0	0	0	0	2,311	1,168
2050	8,188	663	326	610	0	0	0	0	0	0	2,340	1,246
2051	8,551	663	326	628	0	0	0	0	0	0	2,373	1,322
2052	8,987	663	326	648	0	0	0	0	0	0	2,372	1,455
2053	9,434	663	326	670	0	0	0	0	0	0	2,386	1,574
2054	9,892	663	326	694	0	0	0	0	0	0	2,427	1,675
2055	10,434	663	326	718	0	0	0	0	0	0	2,481	1,778
2056	11,073	663	326	746	0	0	0	0	0	0	2,552	1,902
2057	11,729	663	326	779	0	0	0	0	0	0	2,604	2,046
2058	12,402	663	326	813	0	0	0	0	0	0	2,664	2,194
2059	13,092	663	326	849	0	0	0	0	0	0	2,726	2,345
2060	14,107	663	326	887	0	0	0	0	0	0	2,850	2,504

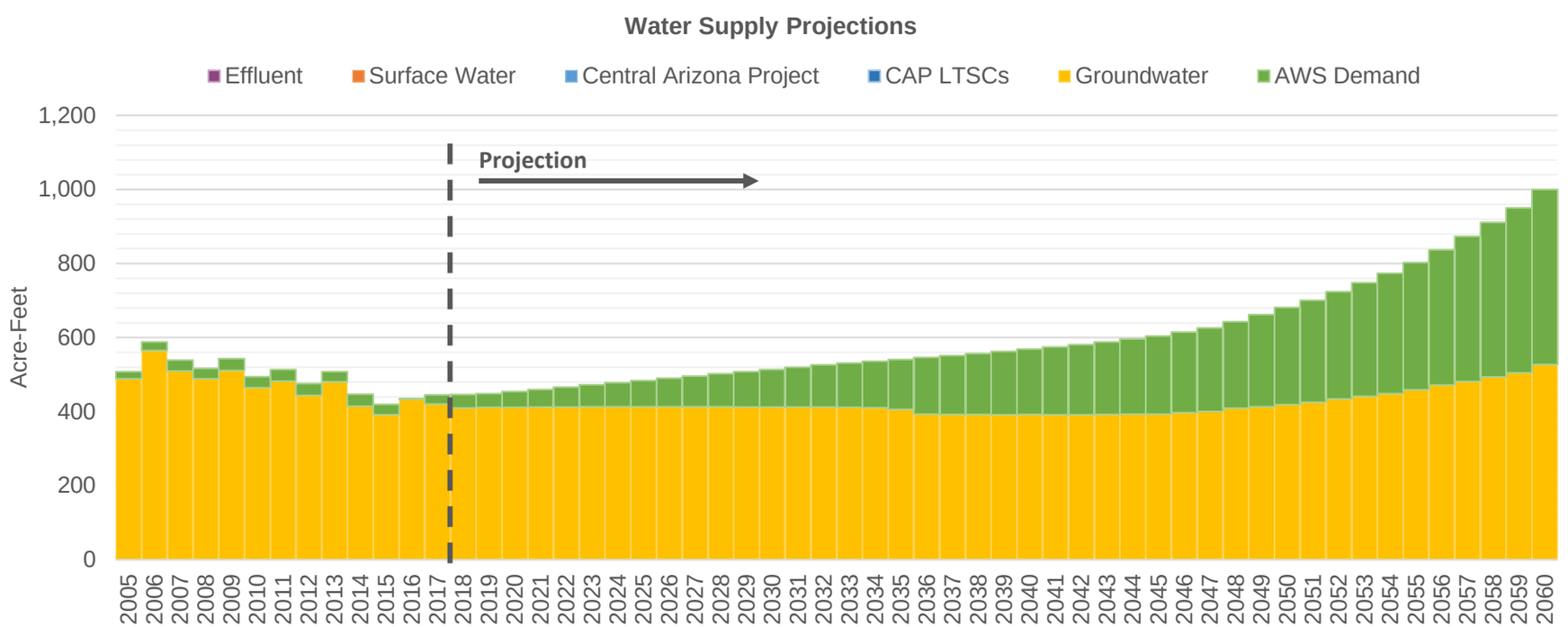
LasQuintas

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LasQuintas

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

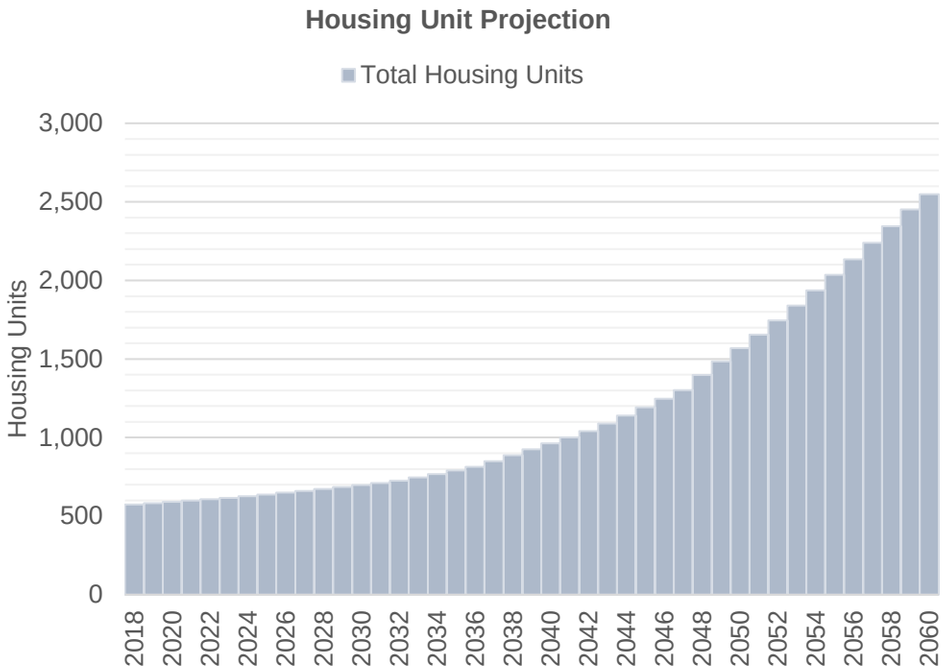
Water Supply Projections (Acre-Feet)

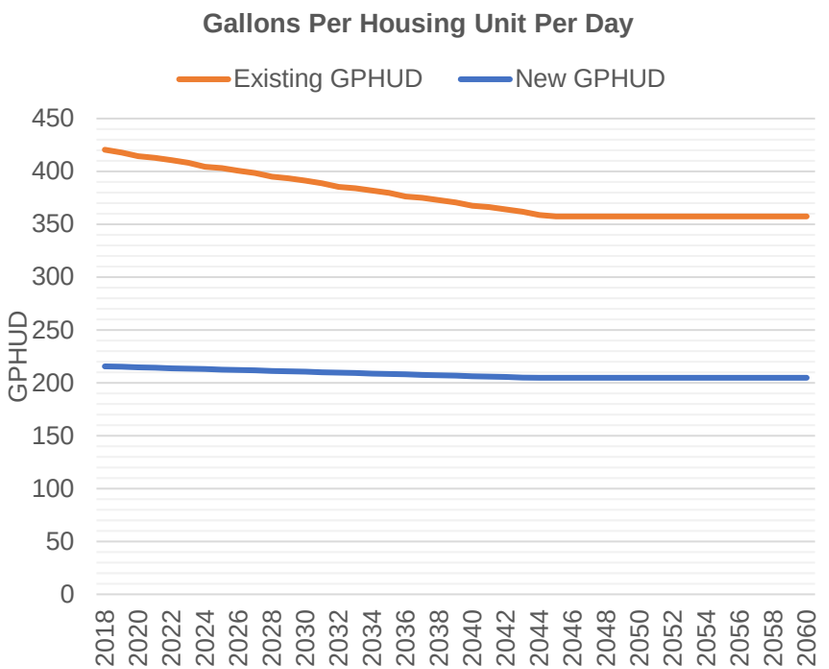
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,094	365	325	0	0	0	0	0	0	0	410	36
2019	1,115	363	325	0	0	0	0	0	0	0	411	37
2020	1,138	360	324	0	0	0	0	0	0	0	412	42
2021	1,163	359	323	0	0	0	0	0	0	0	412	47
2022	1,188	357	323	0	0	0	0	0	0	0	413	53
2023	1,213	354	322	0	0	0	0	0	0	0	413	60
2024	1,236	351	321	0	0	0	0	0	0	0	413	66
2025	1,260	350	321	0	0	0	0	0	0	0	413	71
2026	1,284	348	320	0	0	0	0	0	0	0	413	77
2027	1,309	346	320	0	0	0	0	0	0	0	413	83
2028	1,333	343	319	0	0	0	0	0	0	0	413	89
2029	1,356	342	318	0	0	0	0	0	0	0	413	96
2030	1,380	340	318	0	0	0	0	0	0	0	412	101
2031	1,405	338	317	0	0	0	0	0	0	0	412	107
2032	1,429	335	316	0	0	0	0	0	0	0	413	114
2033	1,450	334	316	0	0	0	0	0	0	0	411	120
2034	1,471	332	315	0	0	0	0	0	0	0	411	125
2035	1,493	330	314	0	0	0	0	0	0	0	406	135
2036	1,516	327	314	0	0	0	0	0	0	0	393	153
2037	1,539	326	313	0	0	0	0	0	0	0	392	159
2038	1,563	324	313	0	0	0	0	0	0	0	392	165
2039	1,588	322	312	0	0	0	0	0	0	0	392	171
2040	1,613	319	311	0	0	0	0	0	0	0	392	177
2041	1,639	318	311	0	0	0	0	0	0	0	392	183
2042	1,666	316	310	0	0	0	0	0	0	0	392	189
2043	1,695	314	309	0	0	0	0	0	0	0	392	196
2044	1,725	311	309	0	0	0	0	0	0	0	393	203
2045	1,755	310	309	0	0	0	0	0	0	0	394	211
2046	1,787	310	309	0	0	0	0	0	0	0	397	218
2047	1,819	310	309	0	0	0	0	0	0	0	400	226
2048	1,879	310	309	0	0	0	0	0	0	0	409	234
2049	1,935	310	309	0	0	0	0	0	0	0	414	248
2050	1,990	310	309	0	0	0	0	0	0	0	419	262
2051	2,049	310	309	0	0	0	0	0	0	0	425	275
2052	2,120	310	309	0	0	0	0	0	0	0	434	290
2053	2,193	310	309	0	0	0	0	0	0	0	441	307
2054	2,268	310	309	0	0	0	0	0	0	0	449	325
2055	2,357	310	309	0	0	0	0	0	0	0	459	344
2056	2,463	310	309	0	0	0	0	0	0	0	472	365
2057	2,571	310	309	0	0	0	0	0	0	0	482	391
2058	2,683	310	309	0	0	0	0	0	0	0	493	418
2059	2,797	310	309	0	0	0	0	0	0	0	505	445
2060	2,962	310	309	0	0	0	0	0	0	0	527	473

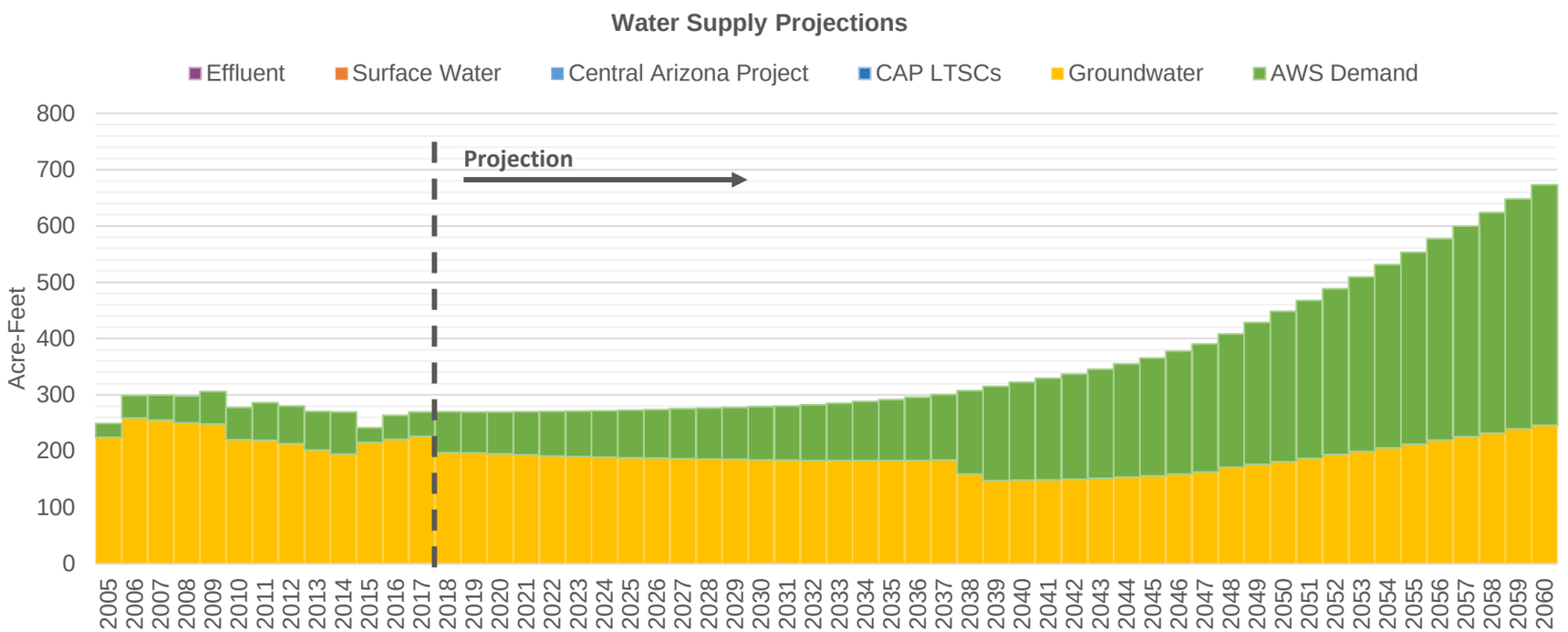
LosCerros

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LosCerros

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

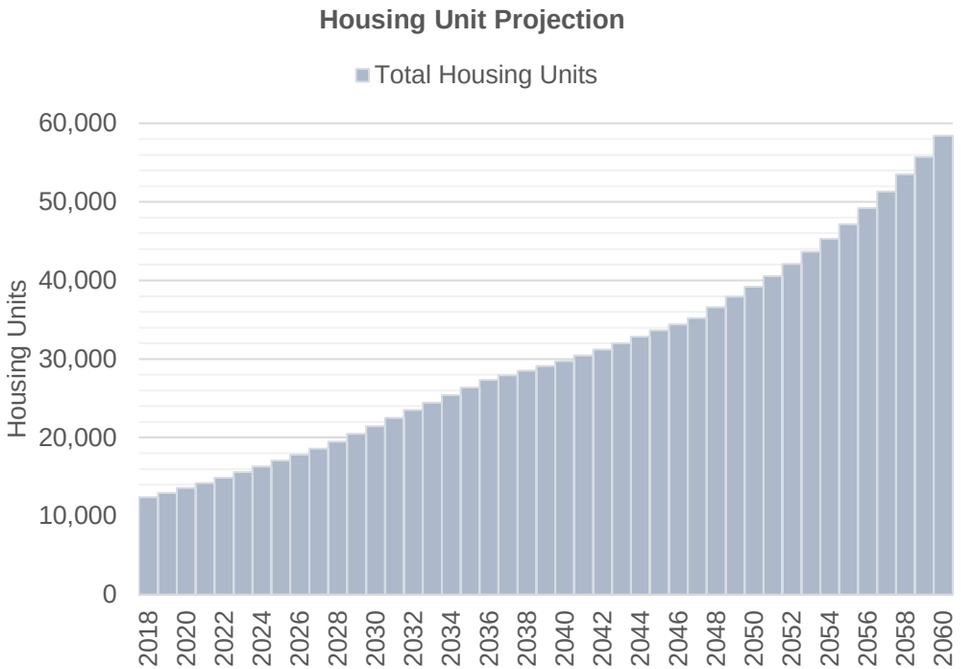
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

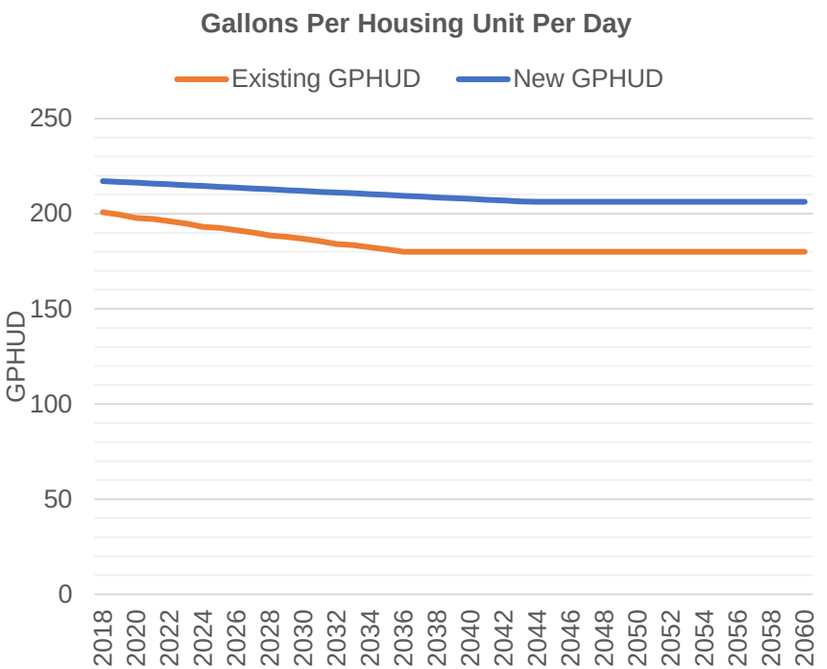
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	575	421	216	0	0	0	0	0	0	0	198	73
2019	582	418	215	0	0	0	0	0	0	0	197	73
2020	590	414	215	0	0	0	0	0	0	0	195	75
2021	599	413	214	0	0	0	0	0	0	0	193	77
2022	607	411	214	0	0	0	0	0	0	0	192	79
2023	616	408	213	0	0	0	0	0	0	0	190	81
2024	627	404	213	0	0	0	0	0	0	0	189	83
2025	638	403	213	0	0	0	0	0	0	0	188	85
2026	650	401	212	0	0	0	0	0	0	0	188	86
2027	661	398	212	0	0	0	0	0	0	0	187	89
2028	673	395	211	0	0	0	0	0	0	0	186	90
2029	686	394	211	0	0	0	0	0	0	0	185	92
2030	698	391	210	0	0	0	0	0	0	0	185	95
2031	711	389	210	0	0	0	0	0	0	0	184	97
2032	726	385	210	0	0	0	0	0	0	0	183	99
2033	747	384	209	0	0	0	0	0	0	0	183	101
2034	768	382	209	0	0	0	0	0	0	0	183	105
2035	790	380	208	0	0	0	0	0	0	0	183	109
2036	813	376	208	0	0	0	0	0	0	0	183	112
2037	849	375	208	0	0	0	0	0	0	0	185	116
2038	887	373	207	0	0	0	0	0	0	0	160	148
2039	925	371	207	0	0	0	0	0	0	0	147	168
2040	964	367	206	0	0	0	0	0	0	0	149	174
2041	1,002	366	206	0	0	0	0	0	0	0	149	181
2042	1,042	364	205	0	0	0	0	0	0	0	150	187
2043	1,089	362	205	0	0	0	0	0	0	0	152	193
2044	1,140	359	205	0	0	0	0	0	0	0	154	201
2045	1,193	357	205	0	0	0	0	0	0	0	156	210
2046	1,247	357	205	0	0	0	0	0	0	0	159	218
2047	1,302	357	205	0	0	0	0	0	0	0	163	227
2048	1,399	357	205	0	0	0	0	0	0	0	172	236
2049	1,485	357	205	0	0	0	0	0	0	0	176	253
2050	1,568	357	205	0	0	0	0	0	0	0	181	267
2051	1,654	357	205	0	0	0	0	0	0	0	187	280
2052	1,746	357	205	0	0	0	0	0	0	0	194	295
2053	1,840	357	205	0	0	0	0	0	0	0	199	310
2054	1,936	357	205	0	0	0	0	0	0	0	206	325
2055	2,035	357	205	0	0	0	0	0	0	0	212	341
2056	2,135	357	205	0	0	0	0	0	0	0	220	358
2057	2,239	357	205	0	0	0	0	0	0	0	226	374
2058	2,344	357	205	0	0	0	0	0	0	0	232	391
2059	2,453	357	205	0	0	0	0	0	0	0	240	409
2060	2,549	357	205	0	0	0	0	0	0	0	246	427

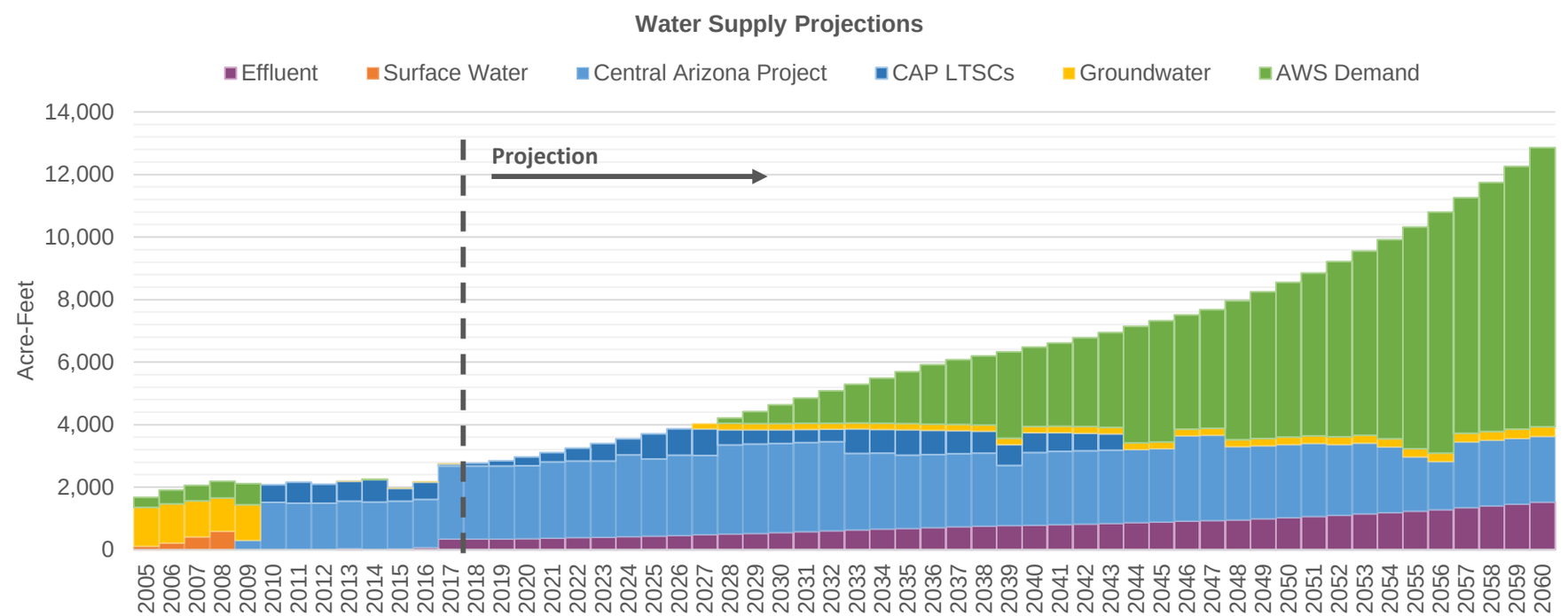
Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]

Marana







Central Arizona Project Service Area Model

Marana

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

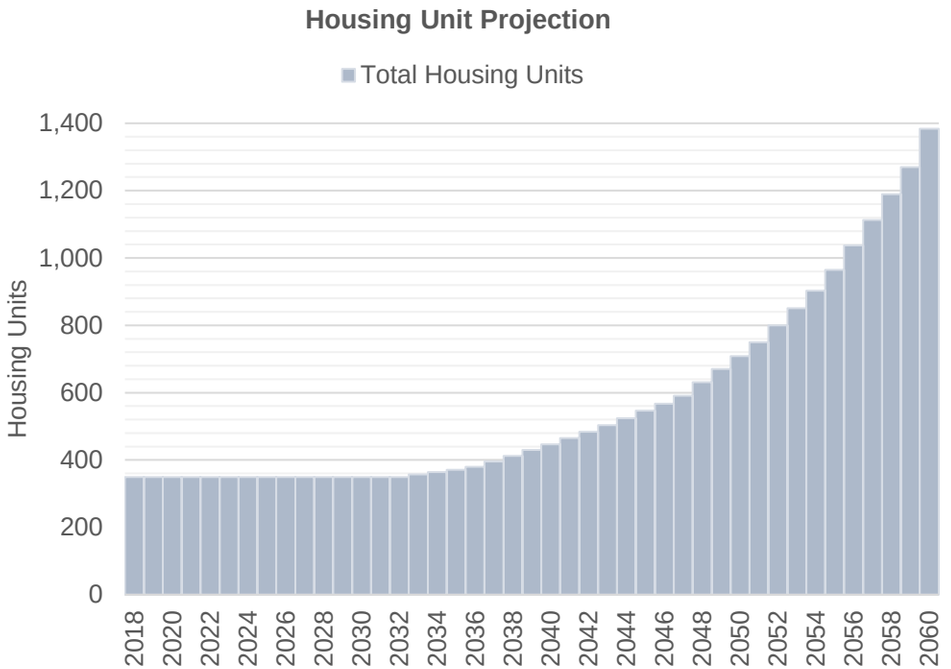
Water Supply Projections (Acre-Feet)

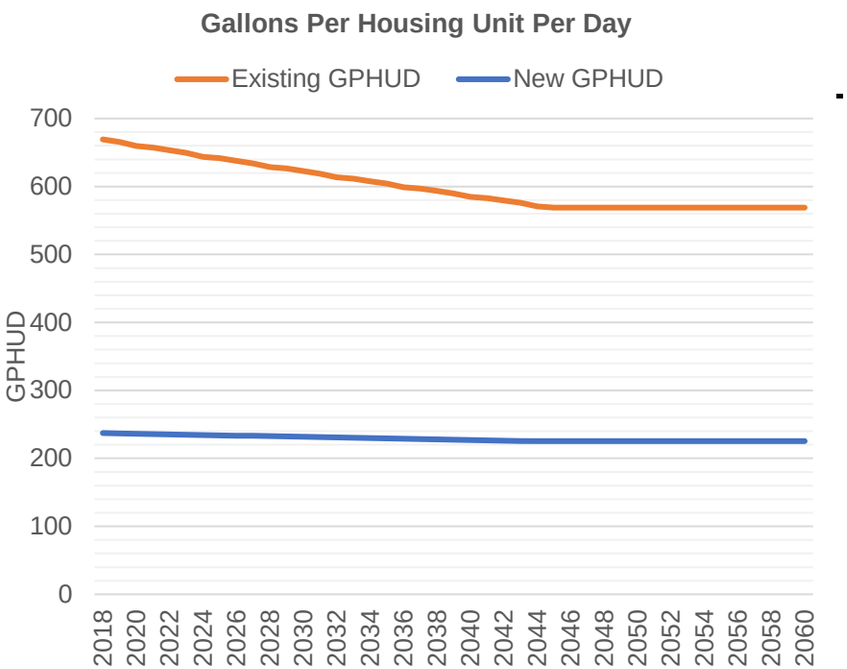
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	12,394	201	217	345	0	0	0	2,336	0	89	0	0
2019	12,942	200	217	345	0	0	0	2,336	0	159	0	0
2020	13,575	198	216	354	0	0	0	2,336	0	278	0	0
2021	14,237	197	216	369	0	0	0	2,435	0	302	0	0
2022	14,907	196	215	387	0	0	0	2,446	0	417	0	0
2023	15,596	195	215	405	0	0	0	2,427	0	565	0	0
2024	16,322	193	215	423	0	0	0	2,608	0	520	0	0
2025	17,063	192	214	442	0	0	0	2,456	0	809	0	0
2026	17,818	191	214	461	0	0	0	2,559	0	849	0	0
2027	18,590	190	213	482	0	0	0	2,536	0	846	169	0
2028	19,480	189	213	502	0	0	0	2,851	0	488	200	175
2029	20,463	188	212	525	0	0	0	2,851	0	464	198	378
2030	21,466	187	212	550	0	0	0	2,851	0	441	197	594
2031	22,491	186	212	577	0	0	0	2,851	0	419	196	811
2032	23,515	184	211	604	0	0	0	2,851	0	398	195	1,035
2033	24,443	183	211	633	0	0	0	2,445	0	784	195	1,229
2034	25,392	182	210	658	0	0	0	2,431	0	759	196	1,443
2035	26,361	181	210	683	0	0	0	2,336	0	816	196	1,660
2036	27,347	180	209	708	0	0	0	2,336	0	775	198	1,896
2037	27,915	180	209	736	0	0	0	2,336	0	736	199	2,065
2038	28,496	180	209	756	0	0	0	2,336	0	699	201	2,207
2039	29,090	180	208	772	0	0	0	1,924	0	664	203	2,765
2040	29,718	180	208	788	0	0	0	2,321	0	631	205	2,536
2041	30,449	180	207	807	0	0	0	2,336	0	600	208	2,663
2042	31,197	180	207	823	0	0	0	2,336	0	570	210	2,837
2043	31,993	180	207	843	0	0	0	2,336	0	524	213	3,030
2044	32,828	180	206	865	0	0	0	2,336	0	0	216	3,732
2045	33,662	180	206	890	0	0	0	2,336	0	0	219	3,877
2046	34,418	180	206	911	0	0	0	2,726	0	0	222	3,646
2047	35,192	180	206	934	0	0	0	2,726	0	0	226	3,796
2048	36,608	180	206	956	0	0	0	2,336	0	0	230	4,435
2049	37,922	180	206	990	0	0	0	2,336	0	0	233	4,691
2050	39,197	180	206	1,027	0	0	0	2,336	0	0	238	4,949
2051	40,542	180	206	1,064	0	0	0	2,336	0	0	242	5,210
2052	42,090	180	206	1,102	0	0	0	2,261	0	0	247	5,602
2053	43,677	180	206	1,147	0	0	0	2,261	0	0	253	5,889
2054	45,305	180	206	1,189	0	0	0	2,098	0	0	258	6,374
2055	47,136	180	206	1,235	0	0	0	1,734	0	0	265	7,086
2056	49,199	180	206	1,285	0	0	0	1,531	0	0	271	7,712
2057	51,317	180	206	1,344	0	0	0	2,098	0	0	278	7,531
2058	53,490	180	206	1,401	0	0	0	2,098	0	0	286	7,963
2059	55,720	180	206	1,462	0	0	0	2,098	0	0	294	8,402
2060	58,412	180	206	1,526	0	0	0	2,098	0	0	303	8,933

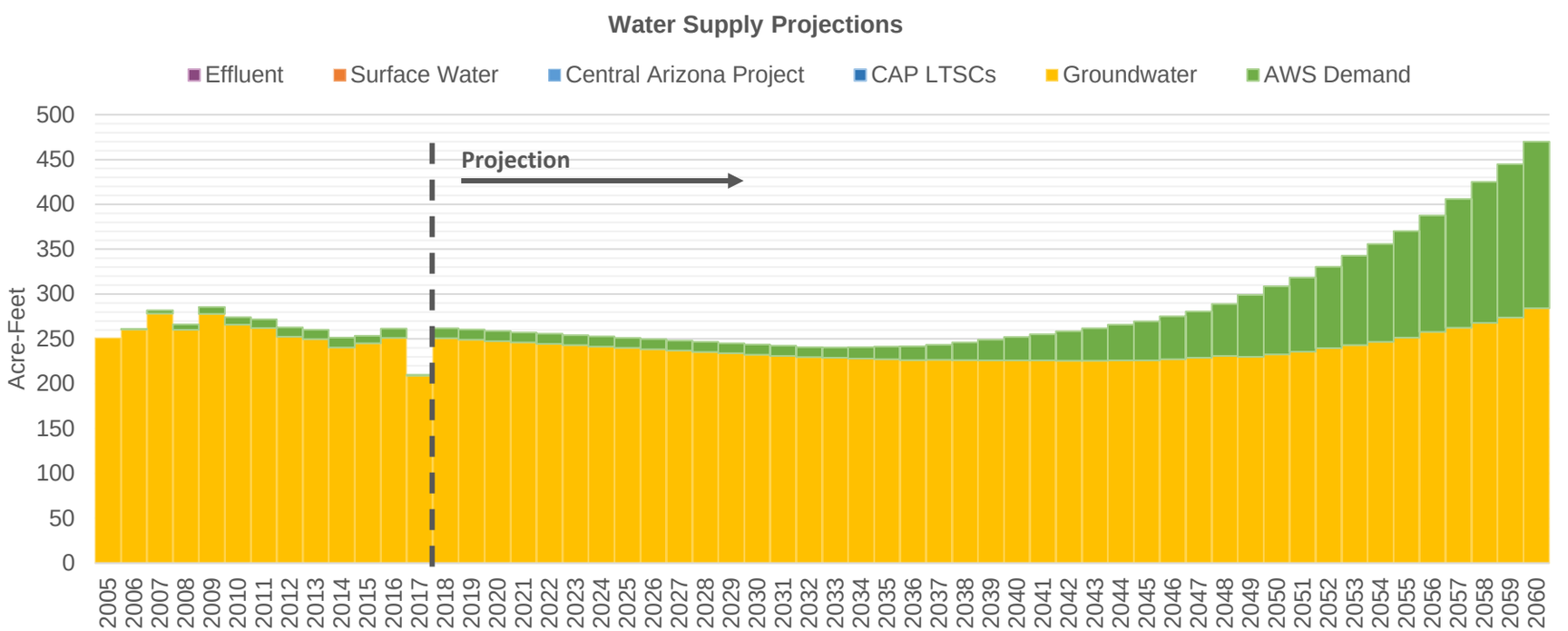
Central Arizona Project Service Area Model

MaranaDomestic

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MaranaDomesti

C. Rapid, Outward, Dry Climate [LSCRBS]

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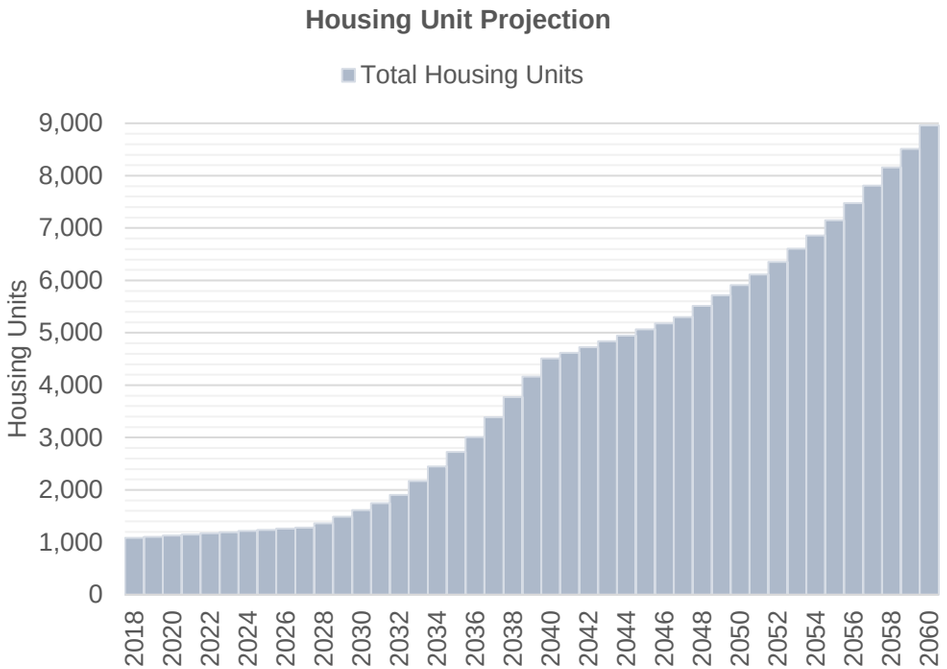
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

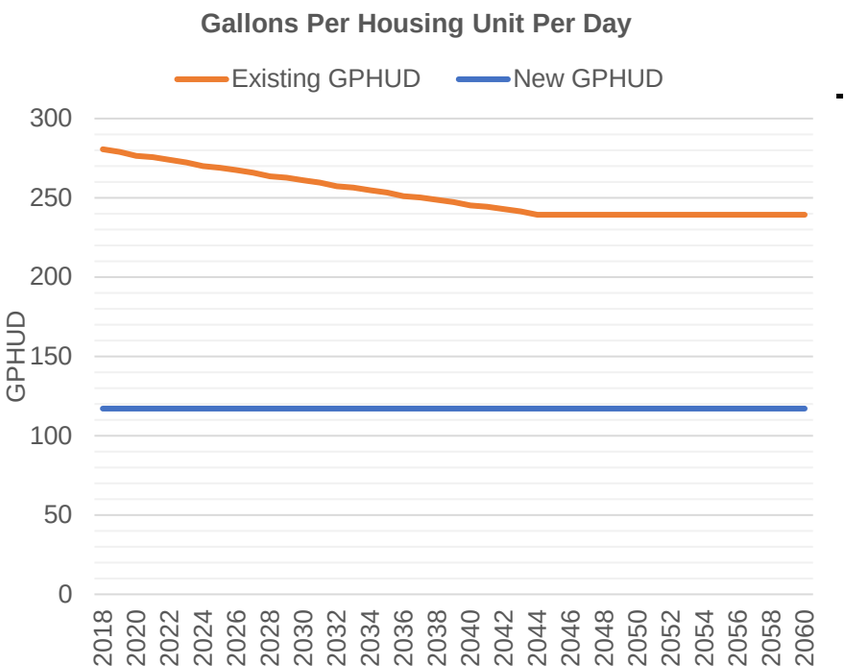
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	349	669	237	0	0	0	0	0	0	0	251	11
2019	349	665	237	0	0	0	0	0	0	0	249	11
2020	349	660	236	0	0	0	0	0	0	0	248	11
2021	349	657	236	0	0	0	0	0	0	0	246	11
2022	349	653	235	0	0	0	0	0	0	0	245	11
2023	349	649	235	0	0	0	0	0	0	0	243	11
2024	349	644	234	0	0	0	0	0	0	0	241	11
2025	349	642	234	0	0	0	0	0	0	0	240	11
2026	349	638	234	0	0	0	0	0	0	0	238	11
2027	349	634	233	0	0	0	0	0	0	0	237	11
2028	349	629	233	0	0	0	0	0	0	0	235	11
2029	349	626	232	0	0	0	0	0	0	0	234	11
2030	349	623	232	0	0	0	0	0	0	0	232	11
2031	349	619	231	0	0	0	0	0	0	0	231	11
2032	349	614	231	0	0	0	0	0	0	0	230	11
2033	357	612	230	0	0	0	0	0	0	0	229	11
2034	364	608	230	0	0	0	0	0	0	0	228	13
2035	371	604	229	0	0	0	0	0	0	0	227	14
2036	379	599	229	0	0	0	0	0	0	0	226	15
2037	395	597	228	0	0	0	0	0	0	0	227	17
2038	412	593	228	0	0	0	0	0	0	0	226	20
2039	429	590	228	0	0	0	0	0	0	0	226	23
2040	446	585	227	0	0	0	0	0	0	0	226	26
2041	465	583	227	0	0	0	0	0	0	0	226	29
2042	483	579	226	0	0	0	0	0	0	0	226	33
2043	503	576	226	0	0	0	0	0	0	0	226	36
2044	524	571	225	0	0	0	0	0	0	0	226	40
2045	546	569	225	0	0	0	0	0	0	0	226	44
2046	567	569	225	0	0	0	0	0	0	0	228	48
2047	590	569	225	0	0	0	0	0	0	0	229	51
2048	631	569	225	0	0	0	0	0	0	0	231	58
2049	670	569	225	0	0	0	0	0	0	0	230	69
2050	708	569	225	0	0	0	0	0	0	0	233	76
2051	749	569	225	0	0	0	0	0	0	0	236	83
2052	799	569	225	0	0	0	0	0	0	0	240	90
2053	850	569	225	0	0	0	0	0	0	0	243	100
2054	902	569	225	0	0	0	0	0	0	0	247	109
2055	964	569	225	0	0	0	0	0	0	0	252	119
2056	1,037	569	225	0	0	0	0	0	0	0	258	130
2057	1,112	569	225	0	0	0	0	0	0	0	263	143
2058	1,189	569	225	0	0	0	0	0	0	0	268	157
2059	1,269	569	225	0	0	0	0	0	0	0	274	171
2060	1,383	569	225	0	0	0	0	0	0	0	284	186

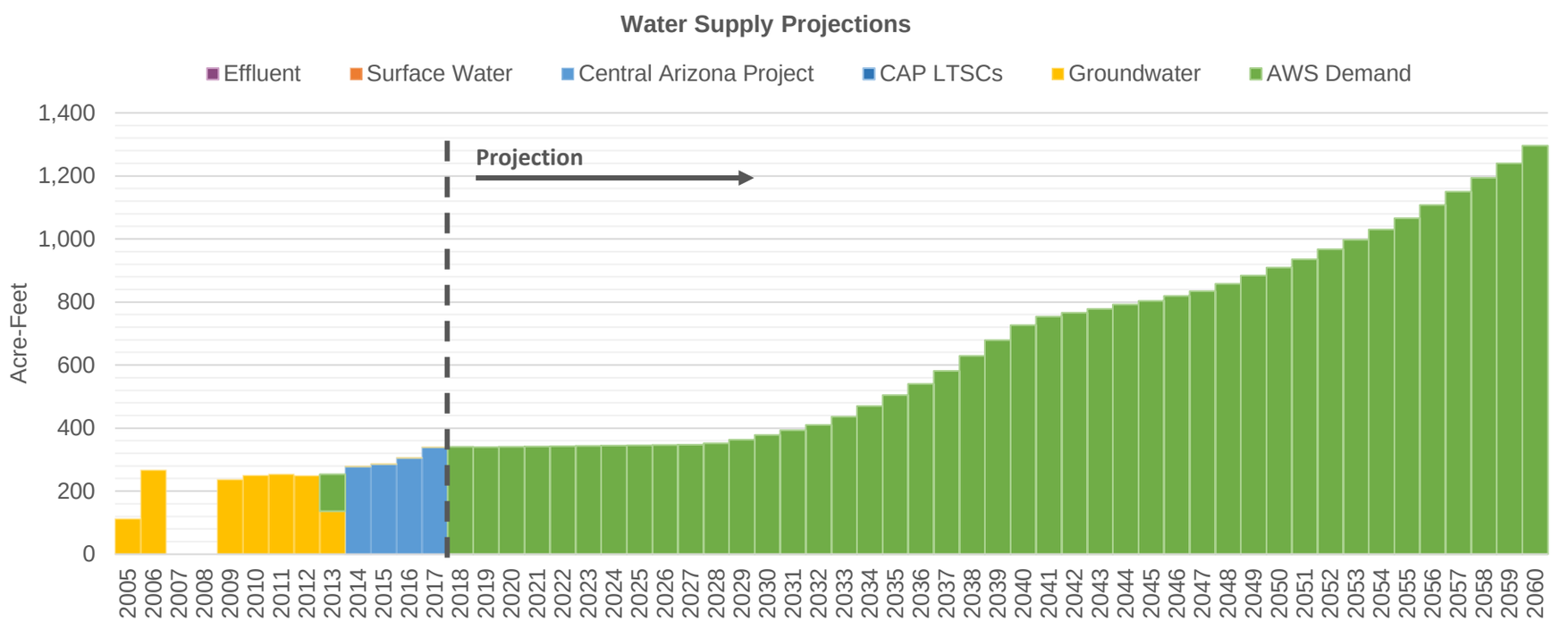
MetroDiablo

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroDiablo

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

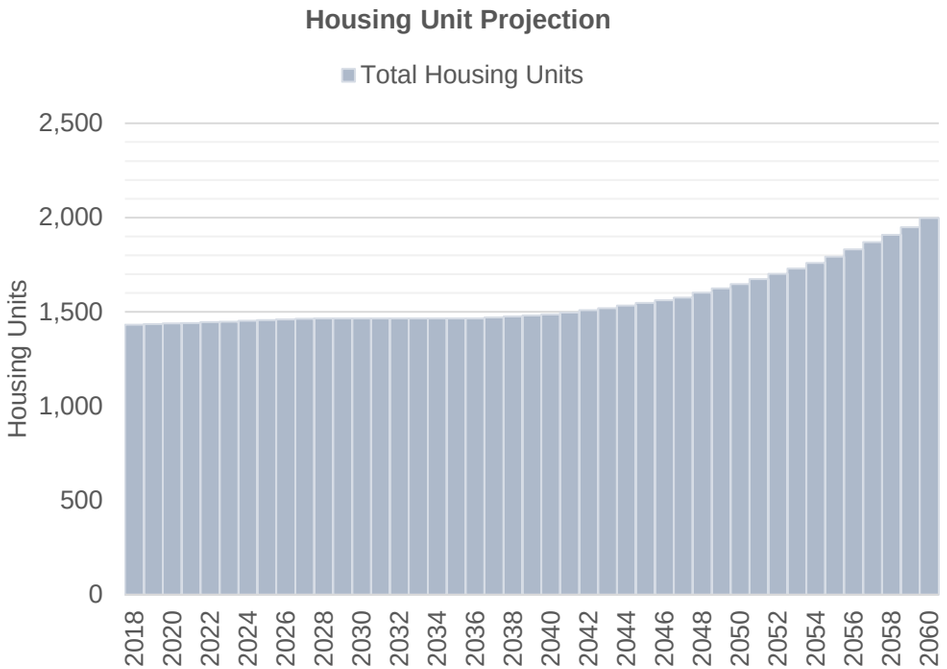
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

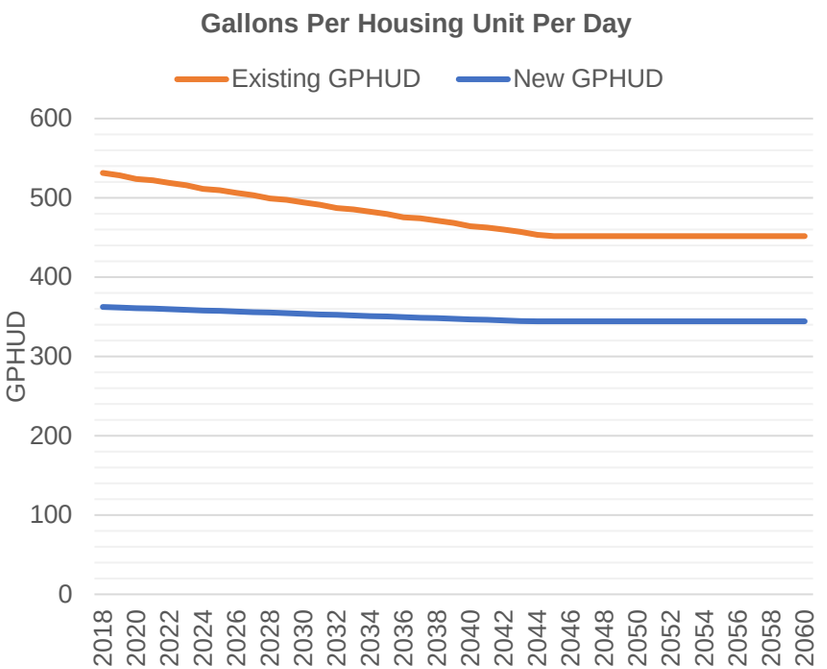
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,087	281	117	0	0	0	0	0	0	0	0	340
2019	1,106	279	117	0	0	0	0	0	0	0	0	340
2020	1,127	277	117	0	0	0	0	0	0	0	0	341
2021	1,149	276	117	0	0	0	0	0	0	0	0	341
2022	1,172	274	117	0	0	0	0	0	0	0	0	342
2023	1,194	272	117	0	0	0	0	0	0	0	0	343
2024	1,216	270	117	0	0	0	0	0	0	0	0	344
2025	1,238	269	117	0	0	0	0	0	0	0	0	345
2026	1,260	267	117	0	0	0	0	0	0	0	0	346
2027	1,283	266	117	0	0	0	0	0	0	0	0	347
2028	1,365	264	117	0	0	0	0	0	0	0	0	352
2029	1,490	263	117	0	0	0	0	0	0	0	0	364
2030	1,618	261	117	0	0	0	0	0	0	0	0	378
2031	1,749	260	117	0	0	0	0	0	0	0	0	393
2032	1.903	257	117	0	0	0	0	0	0	0	0	410
2033	2,171	256	117	0	0	0	0	0	0	0	0	436
2034	2,445	255	117	0	0	0	0	0	0	0	0	470
2035	2,725	253	117	0	0	0	0	0	0	0	0	504
2036	3,012	251	117	0	0	0	0	0	0	0	0	540
2037	3,388	250	117	0	0	0	0	0	0	0	0	581
2038	3,773	249	117	0	0	0	0	0	0	0	0	629
2039	4,167	247	117	0	0	0	0	0	0	0	0	679
2040	4,514	245	117	0	0	0	0	0	0	0	0	727
2041	4,620	244	117	0	0	0	0	0	0	0	0	753
2042	4,728	243	117	0	0	0	0	0	0	0	0	766
2043	4,838	241	117	0	0	0	0	0	0	0	0	778
2044	4,949	239	117	0	0	0	0	0	0	0	0	792
2045	5,063	239	117	0	0	0	0	0	0	0	0	804
2046	5,179	239	117	0	0	0	0	0	0	0	0	819
2047	5,298	239	117	0	0	0	0	0	0	0	0	834
2048	5,513	239	117	0	0	0	0	0	0	0	0	858
2049	5,714	239	117	0	0	0	0	0	0	0	0	884
2050	5,909	239	117	0	0	0	0	0	0	0	0	910
2051	6,116	239	117	0	0	0	0	0	0	0	0	936
2052	6,356	239	117	0	0	0	0	0	0	0	0	967
2053	6,603	239	117	0	0	0	0	0	0	0	0	997
2054	6,857	239	117	0	0	0	0	0	0	0	0	1,030
2055	7,145	239	117	0	0	0	0	0	0	0	0	1,066
2056	7,473	239	117	0	0	0	0	0	0	0	0	1,108
2057	7,809	239	117	0	0	0	0	0	0	0	0	1,150
2058	8,155	239	117	0	0	0	0	0	0	0	0	1,194
2059	8,509	239	117	0	0	0	0	0	0	0	0	1,240
2060	8,959	239	117	0	0	0	0	0	0	0	0	1,296

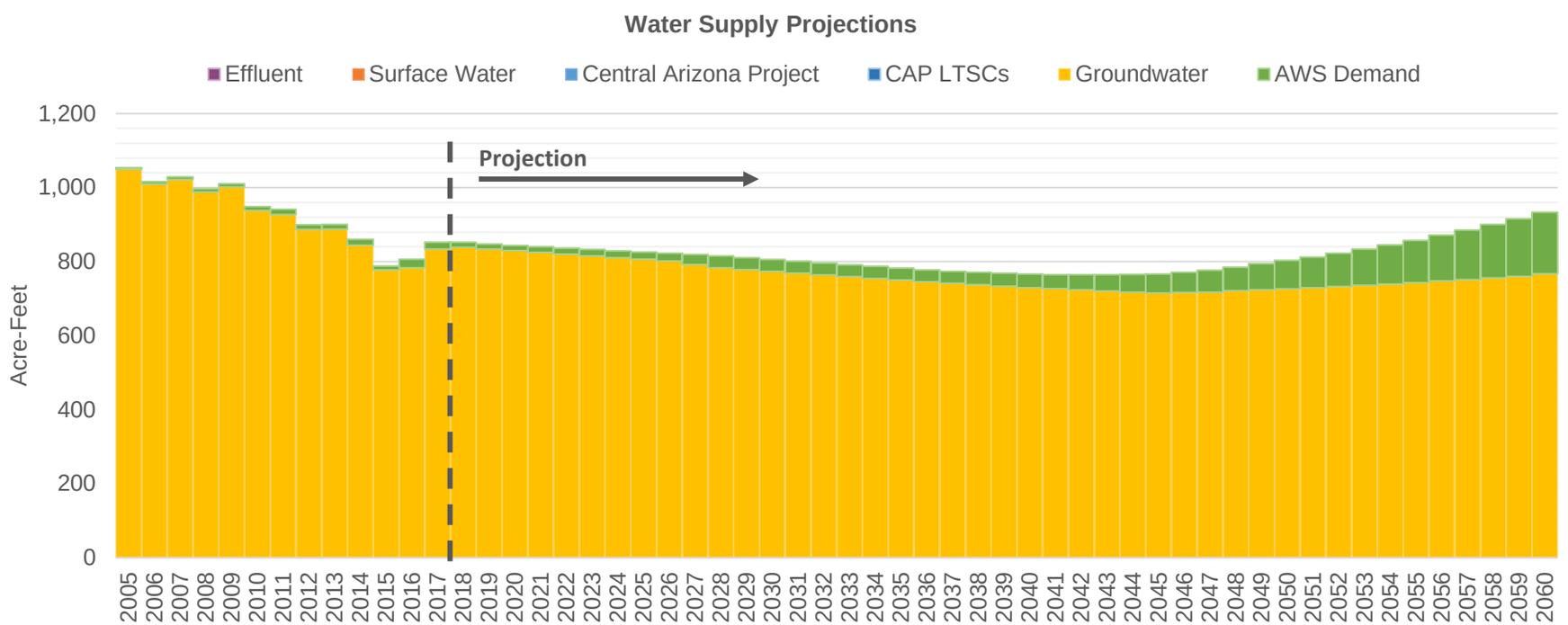
Central Arizona Project Service Area Model

MetroHub

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroHub

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

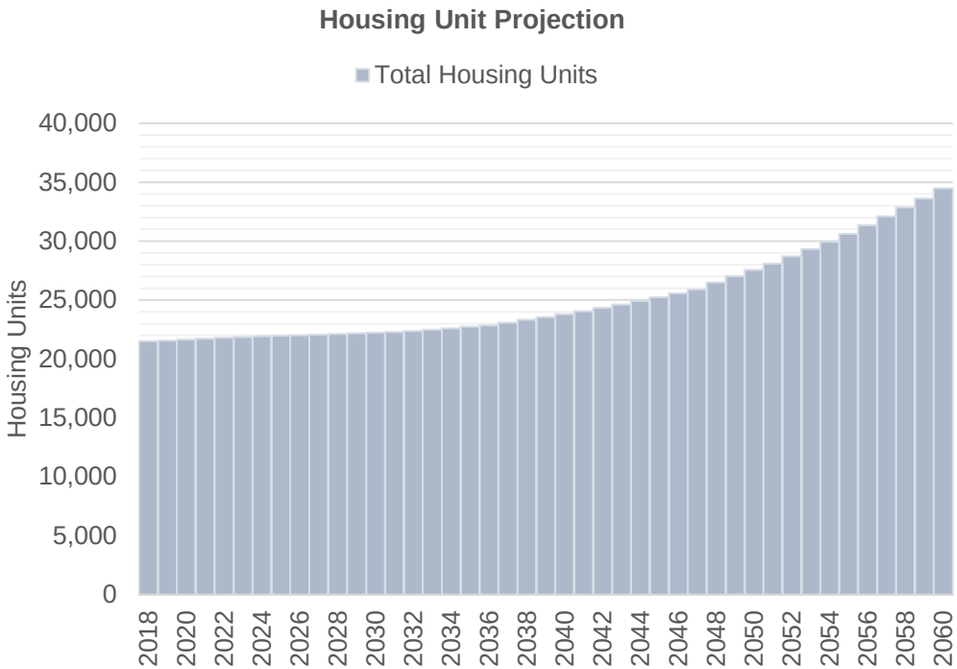
Water Supply Projections (Acre-Feet)

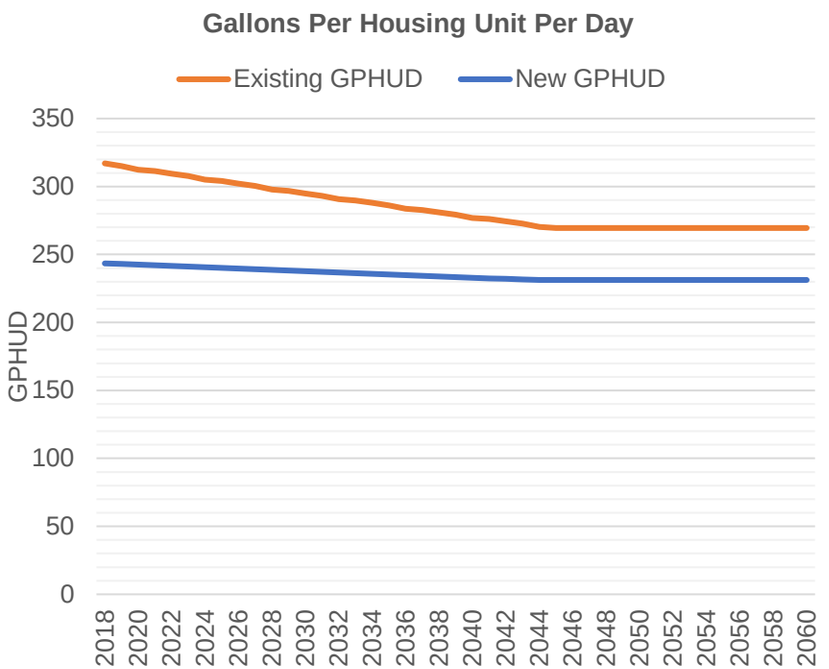
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,432	531	362	0	0	0	0	0	0	0	839	13
2019	1,435	528	362	0	0	0	0	0	0	0	834	13
2020	1,438	524	361	0	0	0	0	0	0	0	830	14
2021	1,441	522	360	0	0	0	0	0	0	0	825	15
2022	1,445	519	360	0	0	0	0	0	0	0	820	16
2023	1,448	516	359	0	0	0	0	0	0	0	815	17
2024	1,452	511	358	0	0	0	0	0	0	0	811	18
2025	1,456	509	357	0	0	0	0	0	0	0	806	20
2026	1,460	506	357	0	0	0	0	0	0	0	802	21
2027	1,464	503	356	0	0	0	0	0	0	0	792	27
2028	1,465	499	355	0	0	0	0	0	0	0	783	32
2029	1,465	497	355	0	0	0	0	0	0	0	778	32
2030	1,465	494	354	0	0	0	0	0	0	0	774	32
2031	1,465	491	353	0	0	0	0	0	0	0	769	32
2032	1,465	487	352	0	0	0	0	0	0	0	764	32
2033	1,465	486	352	0	0	0	0	0	0	0	759	32
2034	1,465	483	351	0	0	0	0	0	0	0	755	32
2035	1,465	480	350	0	0	0	0	0	0	0	750	32
2036	1,465	476	350	0	0	0	0	0	0	0	745	32
2037	1,470	474	349	0	0	0	0	0	0	0	742	32
2038	1,475	471	348	0	0	0	0	0	0	0	738	34
2039	1,480	468	347	0	0	0	0	0	0	0	734	35
2040	1,486	464	347	0	0	0	0	0	0	0	730	37
2041	1,497	463	346	0	0	0	0	0	0	0	727	38
2042	1,508	460	345	0	0	0	0	0	0	0	724	41
2043	1,520	457	345	0	0	0	0	0	0	0	721	44
2044	1,534	453	344	0	0	0	0	0	0	0	718	48
2045	1,547	452	344	0	0	0	0	0	0	0	715	52
2046	1,561	452	344	0	0	0	0	0	0	0	716	55
2047	1,575	452	344	0	0	0	0	0	0	0	718	59
2048	1,601	452	344	0	0	0	0	0	0	0	722	63
2049	1,625	452	344	0	0	0	0	0	0	0	724	70
2050	1,648	452	344	0	0	0	0	0	0	0	726	77
2051	1,673	452	344	0	0	0	0	0	0	0	729	83
2052	1,701	452	344	0	0	0	0	0	0	0	733	90
2053	1,730	452	344	0	0	0	0	0	0	0	736	98
2054	1,760	452	344	0	0	0	0	0	0	0	739	106
2055	1,793	452	344	0	0	0	0	0	0	0	743	114
2056	1,831	452	344	0	0	0	0	0	0	0	748	124
2057	1,869	452	344	0	0	0	0	0	0	0	752	134
2058	1,909	452	344	0	0	0	0	0	0	0	756	145
2059	1,949	452	344	0	0	0	0	0	0	0	760	156
2060	1,998	452	344	0	0	0	0	0	0	0	767	167

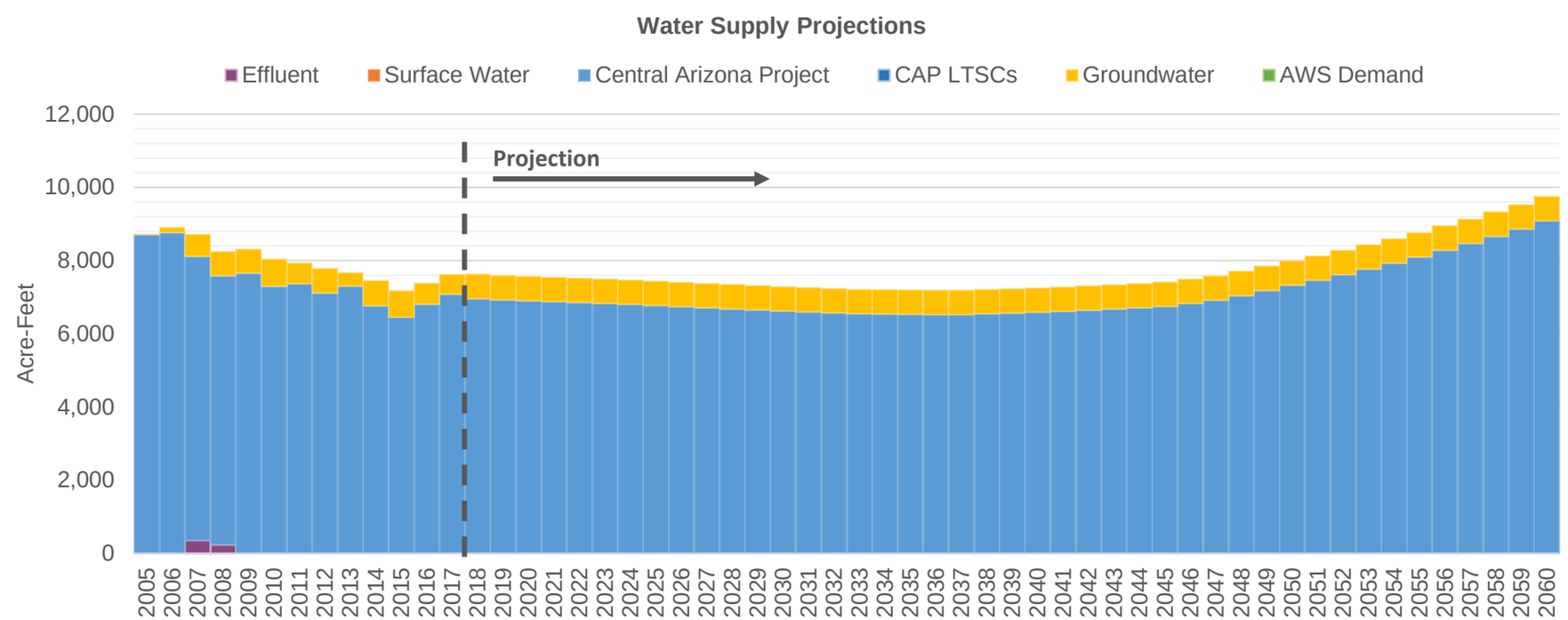
Central Arizona Project Service Area Model

MetroMain

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroMain

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

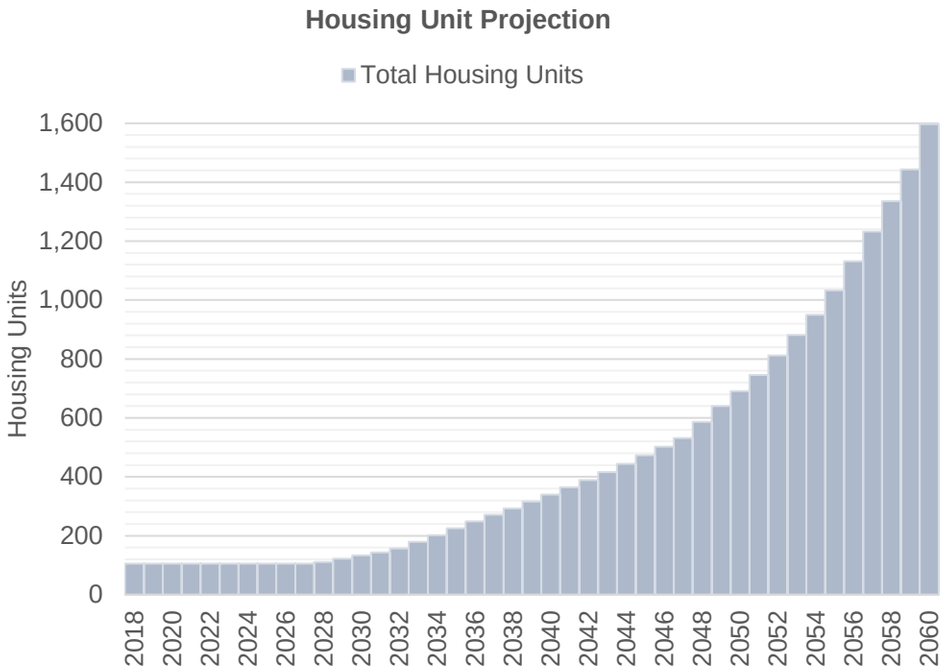
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

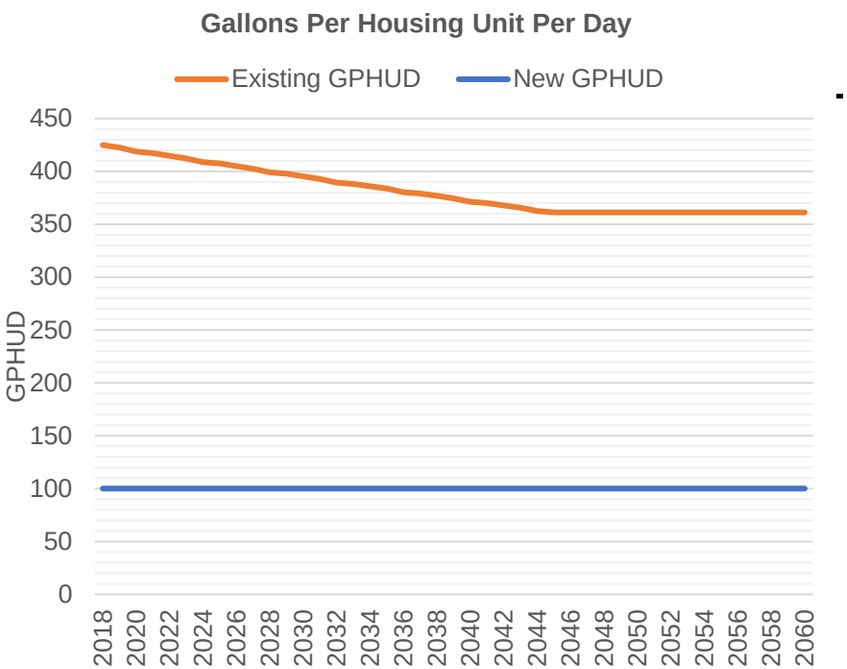
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	21,497	317	243	0	0	0	0	6,962	6,498	0	668	0
2019	21,564	315	243	0	0	0	0	6,928	6,532	0	668	0
2020	21,640	312	242	0	0	0	0	6,902	6,558	0	668	0
2021	21,720	311	242	0	0	0	0	6,878	6,582	0	668	0
2022	21,802	310	241	0	0	0	0	6,855	6,605	0	668	0
2023	21,873	308	241	0	0	0	0	6,831	6,629	0	668	0
2024	21,922	305	241	0	0	0	0	6,803	6,657	0	668	0
2025	21,972	304	240	0	0	0	0	6,771	6,689	0	668	0
2026	22,023	302	240	0	0	0	0	6,741	6,719	0	668	0
2027	22,075	300	239	0	0	0	0	6,710	6,750	0	668	0
2028	22,129	298	239	0	0	0	0	6,681	6,779	0	668	0
2029	22,183	297	238	0	0	0	0	6,652	6,808	0	668	0
2030	22,239	295	238	0	0	0	0	6,623	6,837	0	668	0
2031	22,296	293	237	0	0	0	0	6,595	6,865	0	668	0
2032	22,364	291	237	0	0	0	0	6,570	6,890	0	668	0
2033	22,483	290	236	0	0	0	0	6,552	6,908	0	668	0
2034	22,605	288	236	0	0	0	0	6,541	6,919	0	668	0
2035	22,729	286	235	0	0	0	0	6,531	6,929	0	668	0
2036	22,857	284	235	0	0	0	0	6,523	6,937	0	668	0
2037	23,085	283	234	0	0	0	0	6,528	6,932	0	668	0
2038	23,318	281	234	0	0	0	0	6,546	6,914	0	668	0
2039	23,557	279	233	0	0	0	0	6,567	4,520	0	668	0
2040	23,803	277	233	0	0	0	0	6,590	6,782	0	668	0
2041	24,069	276	232	0	0	0	0	6,614	6,846	0	668	0
2042	24,341	274	232	0	0	0	0	6,643	6,817	0	668	0
2043	24,627	273	232	0	0	0	0	6,674	6,786	0	668	0
2044	24,926	270	231	0	0	0	0	6,712	6,748	0	668	0
2045	25,236	269	231	0	0	0	0	6,749	6,711	0	668	0
2046	25,566	269	231	0	0	0	0	6,832	6,628	0	668	0
2047	25,904	269	231	0	0	0	0	6,918	6,542	0	668	0
2048	26,499	269	231	0	0	0	0	7,043	6,417	0	668	0
2049	27,040	269	231	0	0	0	0	7,186	6,274	0	668	0
2050	27,561	269	231	0	0	0	0	7,324	6,136	0	668	0
2051	28,105	269	231	0	0	0	0	7,462	5,998	0	668	0
2052	28,706	269	231	0	0	0	0	7,615	5,410	0	668	0
2053	29,322	269	231	0	0	0	0	7,768	5,257	0	668	0
2054	29,954	269	231	0	0	0	0	7,929	4,162	0	668	0
2055	30,628	269	231	0	0	0	0	8,099	1,892	0	668	0
2056	31,350	269	231	0	0	0	0	8,286	537	0	668	0
2057	32,091	269	231	0	0	0	0	8,469	3,622	0	668	0
2058	32,851	269	231	0	0	0	0	8,663	3,428	0	668	0
2059	33,631	269	231	0	0	0	0	8,863	3,228	0	668	0
2060	34,480	269	231	0	0	0	0	9,083	3,009	0	668	0

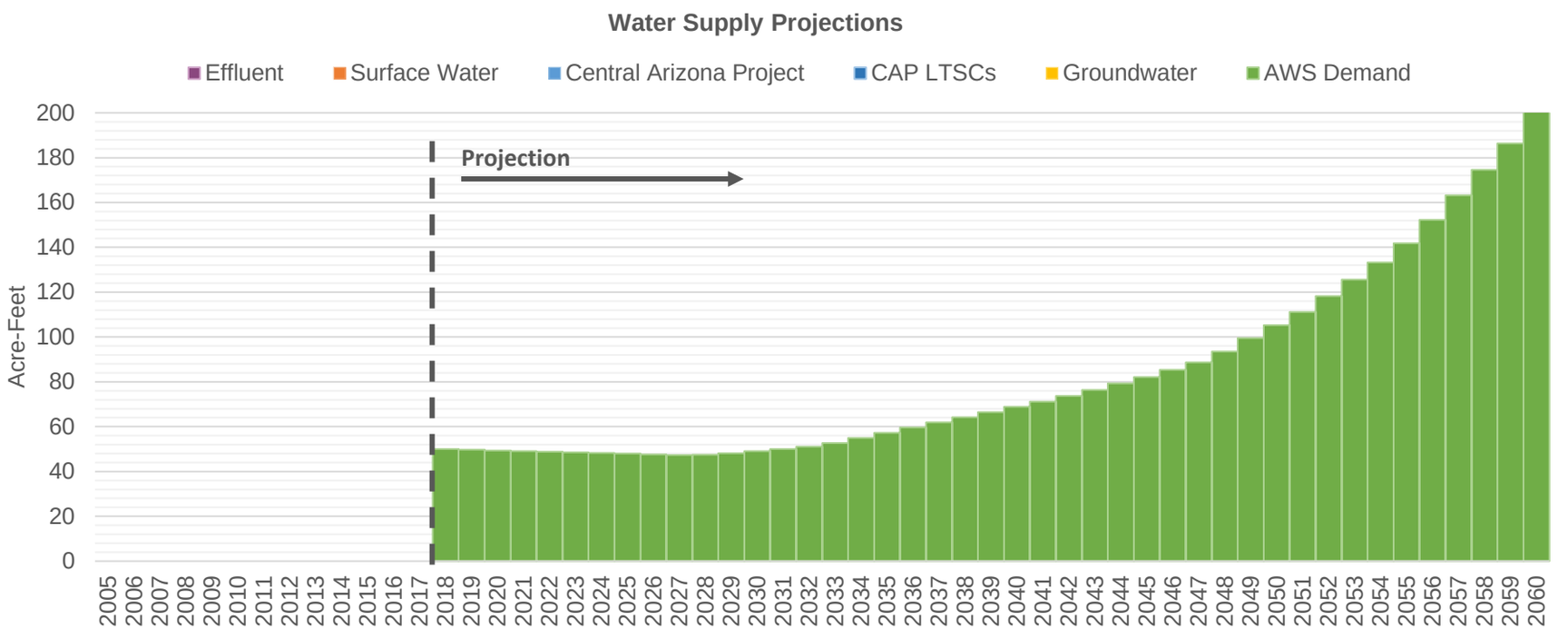
Central Arizona Project Service Area Model

MetroWest

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroWest

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

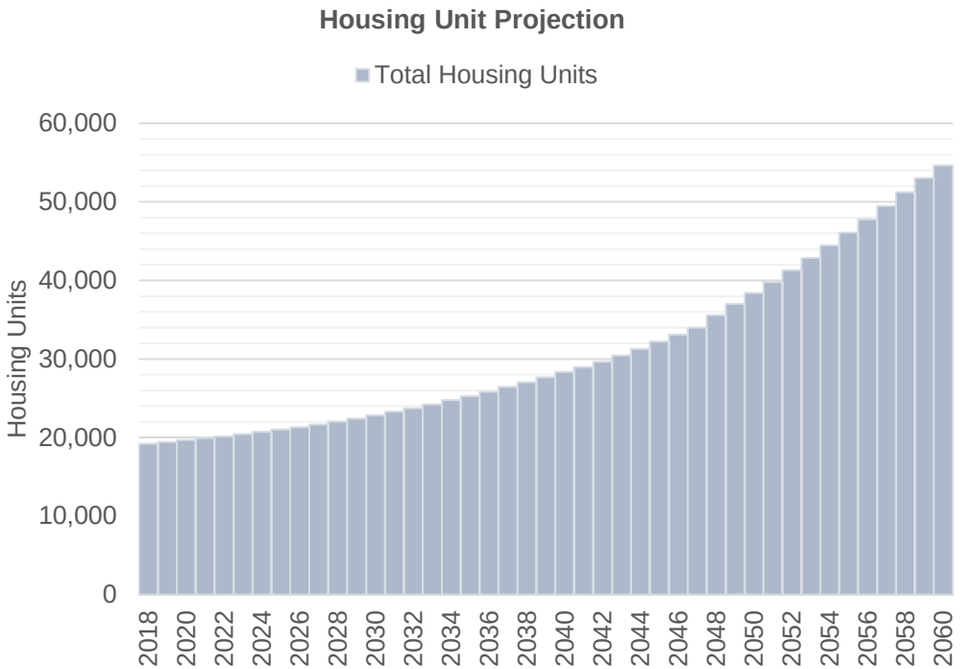
Water Supply Projections (Acre-Feet)

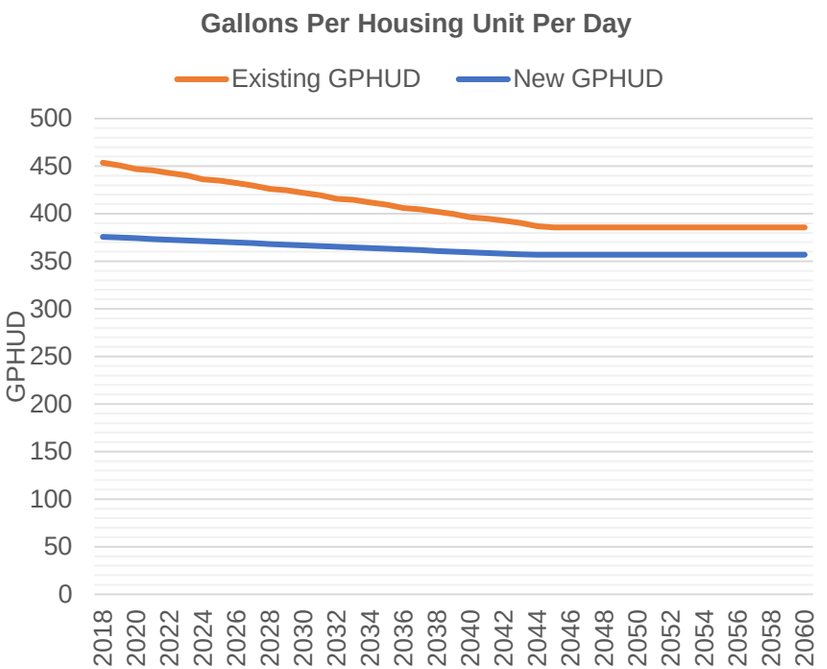
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	105	425	100	0	0	0	0	0	0	0	0	50
2019	105	422	100	0	0	0	0	0	0	0	0	50
2020	105	419	100	0	0	0	0	0	0	0	0	49
2021	105	417	100	0	0	0	0	0	0	0	0	49
2022	105	415	100	0	0	0	0	0	0	0	0	49
2023	105	412	100	0	0	0	0	0	0	0	0	49
2024	105	409	100	0	0	0	0	0	0	0	0	48
2025	105	407	100	0	0	0	0	0	0	0	0	48
2026	105	405	100	0	0	0	0	0	0	0	0	48
2027	105	403	100	0	0	0	0	0	0	0	0	47
2028	111	399	100	0	0	0	0	0	0	0	0	47
2029	122	398	100	0	0	0	0	0	0	0	0	48
2030	133	395	100	0	0	0	0	0	0	0	0	49
2031	144	393	100	0	0	0	0	0	0	0	0	50
2032	157	390	100	0	0	0	0	0	0	0	0	51
2033	179	388	100	0	0	0	0	0	0	0	0	53
2034	202	386	100	0	0	0	0	0	0	0	0	55
2035	225	384	100	0	0	0	0	0	0	0	0	57
2036	249	380	100	0	0	0	0	0	0	0	0	60
2037	271	379	100	0	0	0	0	0	0	0	0	62
2038	293	377	100	0	0	0	0	0	0	0	0	64
2039	316	375	100	0	0	0	0	0	0	0	0	66
2040	340	371	100	0	0	0	0	0	0	0	0	69
2041	364	370	100	0	0	0	0	0	0	0	0	71
2042	389	368	100	0	0	0	0	0	0	0	0	74
2043	416	366	100	0	0	0	0	0	0	0	0	76
2044	444	362	100	0	0	0	0	0	0	0	0	79
2045	473	361	100	0	0	0	0	0	0	0	0	82
2046	502	361	100	0	0	0	0	0	0	0	0	85
2047	532	361	100	0	0	0	0	0	0	0	0	89
2048	587	361	100	0	0	0	0	0	0	0	0	94
2049	640	361	100	0	0	0	0	0	0	0	0	99
2050	691	361	100	0	0	0	0	0	0	0	0	105
2051	746	361	100	0	0	0	0	0	0	0	0	111
2052	812	361	100	0	0	0	0	0	0	0	0	118
2053	881	361	100	0	0	0	0	0	0	0	0	126
2054	950	361	100	0	0	0	0	0	0	0	0	133
2055	1,033	361	100	0	0	0	0	0	0	0	0	142
2056	1,132	361	100	0	0	0	0	0	0	0	0	152
2057	1,233	361	100	0	0	0	0	0	0	0	0	163
2058	1,336	361	100	0	0	0	0	0	0	0	0	175
2059	1,443	361	100	0	0	0	0	0	0	0	0	186
2060	1,597	361	100	0	0	0	0	0	0	0	0	201

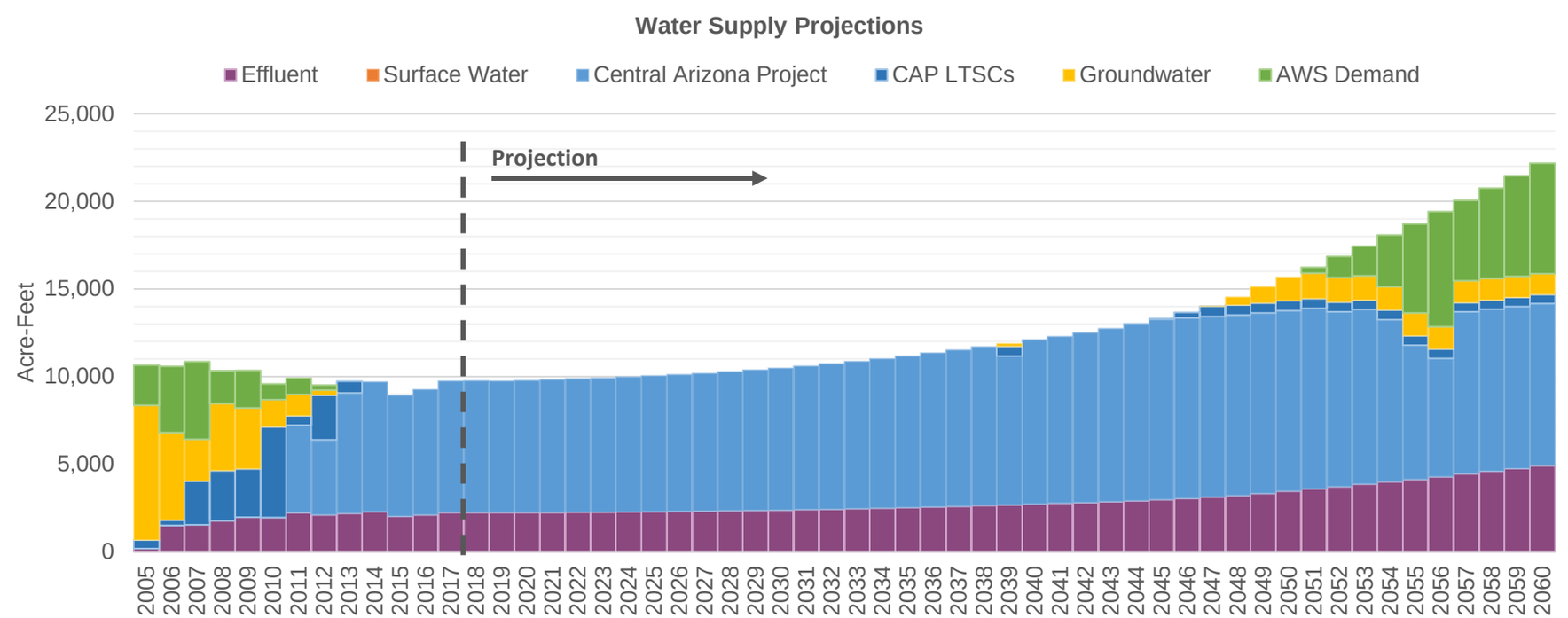
OroValley

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

OroValley

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

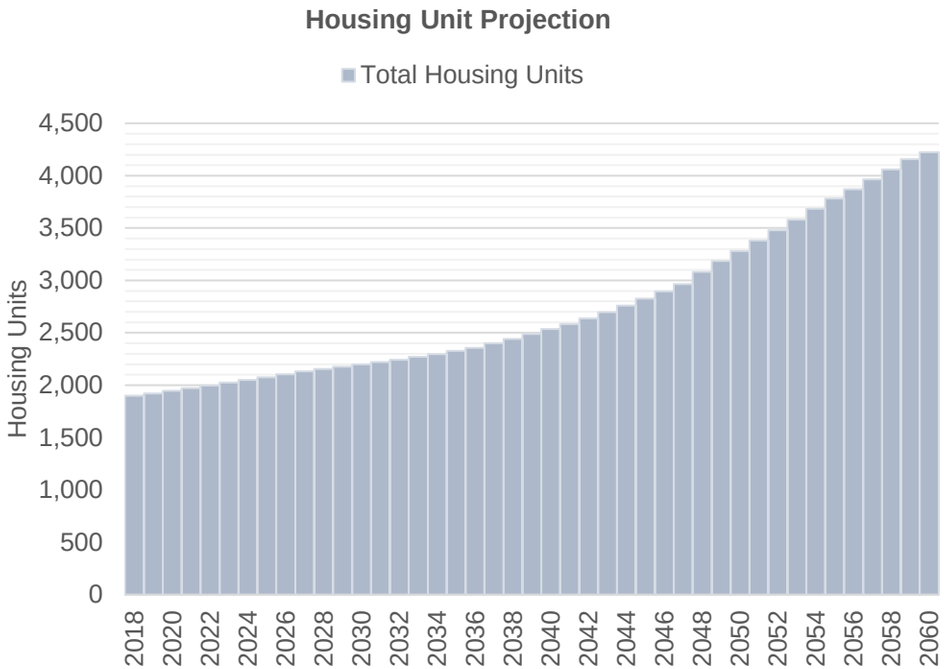
Water Supply Projections (Acre-Feet)

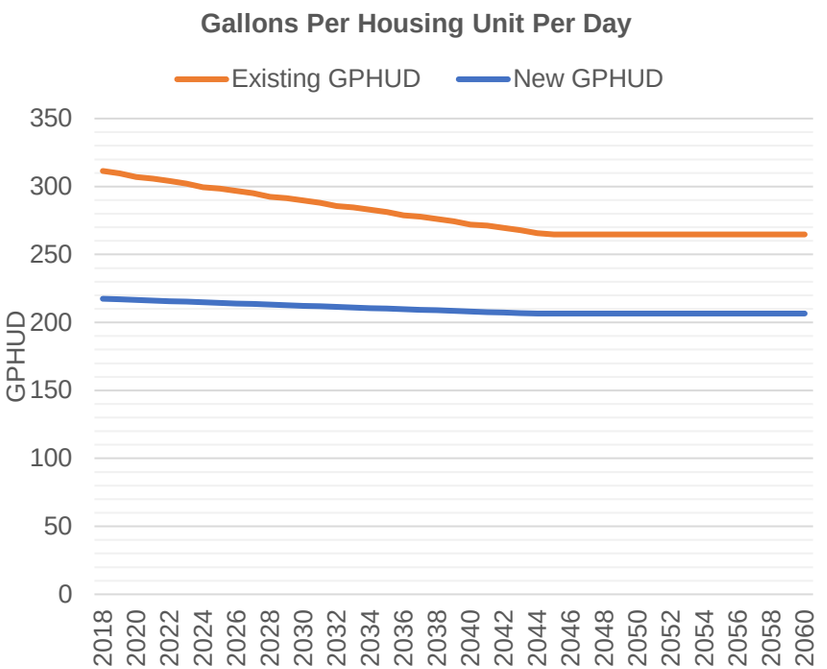
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	19,239	454	376	2,232	0	0	0	7,524	2,781	0	0	0
2019	19,441	451	375	2,232	0	0	0	7,522	2,783	0	0	0
2020	19,675	447	374	2,231	0	0	0	7,556	2,749	0	0	0
2021	19,919	445	373	2,239	0	0	0	7,590	2,715	0	0	0
2022	20,166	443	373	2,249	0	0	0	7,625	2,680	0	0	0
2023	20,430	440	372	2,259	0	0	0	7,663	2,642	0	0	0
2024	20,727	436	371	2,270	0	0	0	7,712	2,593	0	0	0
2025	21,029	435	370	2,284	0	0	0	7,764	2,541	0	0	0
2026	21,338	432	370	2,299	0	0	0	7,818	2,487	0	0	0
2027	21,653	430	369	2,314	0	0	0	7,874	2,431	0	0	0
2028	22,023	426	368	2,331	0	0	0	7,944	2,361	0	0	0
2029	22,434	425	367	2,351	0	0	0	8,025	2,280	0	0	0
2030	22,854	422	367	2,374	0	0	0	8,115	2,190	0	0	0
2031	23,283	419	366	2,400	0	0	0	8,206	2,099	0	0	0
2032	23.731	416	365	2.426	0	0	0	8.307	1.998	0	0	0
2033	24,242	414	365	2,455	0	0	0	8,412	1,893	0	0	0
2034	24,764	412	364	2,486	0	0	0	8,534	1,771	0	0	0
2035	25,297	409	363	2,521	0	0	0	8,656	1,649	0	0	0
2036	25,843	406	362	2,557	0	0	0	8,788	1,517	0	0	0
2037	26,446	405	362	2,596	0	0	0	8,918	1,387	0	0	0
2038	27,062	402	361	2,634	0	0	0	9,068	1,237	0	0	0
2039	27,693	400	360	2,677	0	0	0	8,488	0	560	171	0
2040	28,337	396	359	2,721	0	0	0	9,383	855	0	0	0
2041	28,988	395	359	2,769	0	0	0	9,527	778	0	0	0
2042	29,654	393	358	2,813	0	0	0	9,689	616	0	0	0
2043	30,438	390	357	2,860	0	0	0	9,873	432	0	0	0
2044	31,312	387	357	2,913	0	0	0	10,109	196	0	0	0
2045	32,202	386	357	2,979	0	0	0	10,305	0	27	0	0
2046	33,091	386	357	3,045	0	0	0	10,305	0	317	0	0
2047	34,002	386	357	3,127	0	0	0	10,305	0	578	17	0
2048	35,591	386	357	3,209	0	0	0	10,305	0	573	457	0
2049	37,016	386	357	3,327	0	0	0	10,305	0	567	930	0
2050	38,382	386	357	3,461	0	0	0	10,305	0	561	1,359	0
2051	39,797	386	357	3,589	0	0	0	10,305	0	556	1,457	336
2052	41,315	386	357	3,716	0	0	0	9,972	0	550	1,416	1,199
2053	42,871	386	357	3,855	0	0	0	9,972	0	545	1,377	1,694
2054	44,467	386	357	3,991	0	0	0	9,257	0	539	1,342	2,944
2055	46,099	386	357	4,135	0	0	0	7,649	0	534	1,310	5,092
2056	47,767	386	357	4,282	0	0	0	6,755	0	528	1,281	6,563
2057	49,479	386	357	4,440	0	0	0	9,257	0	523	1,254	4,580
2058	51,236	386	357	4,588	0	0	0	9,257	0	518	1,230	5,154
2059	53,039	386	357	4,746	0	0	0	9,257	0	513	1,209	5,734
2060	54,646	386	357	4,909	0	0	0	9,257	0	508	1,190	6,315

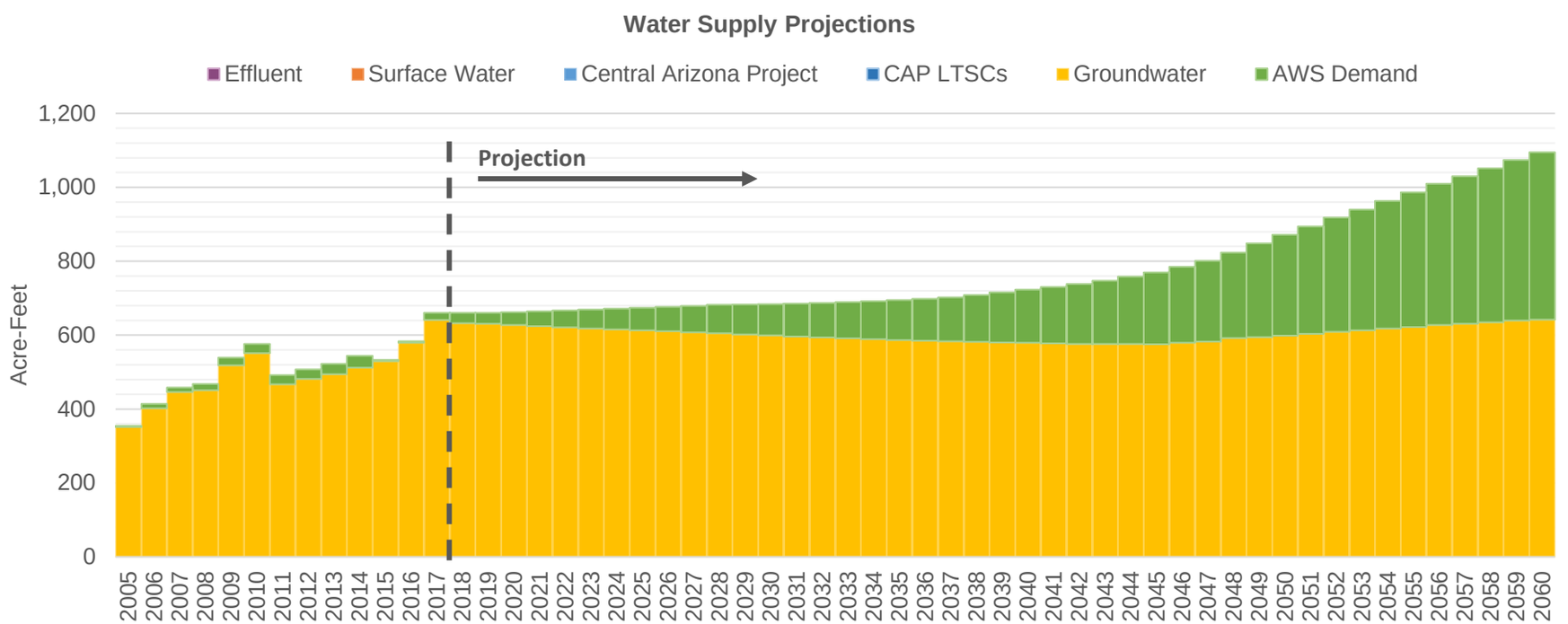
QuailCreek

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

QuailCreek

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

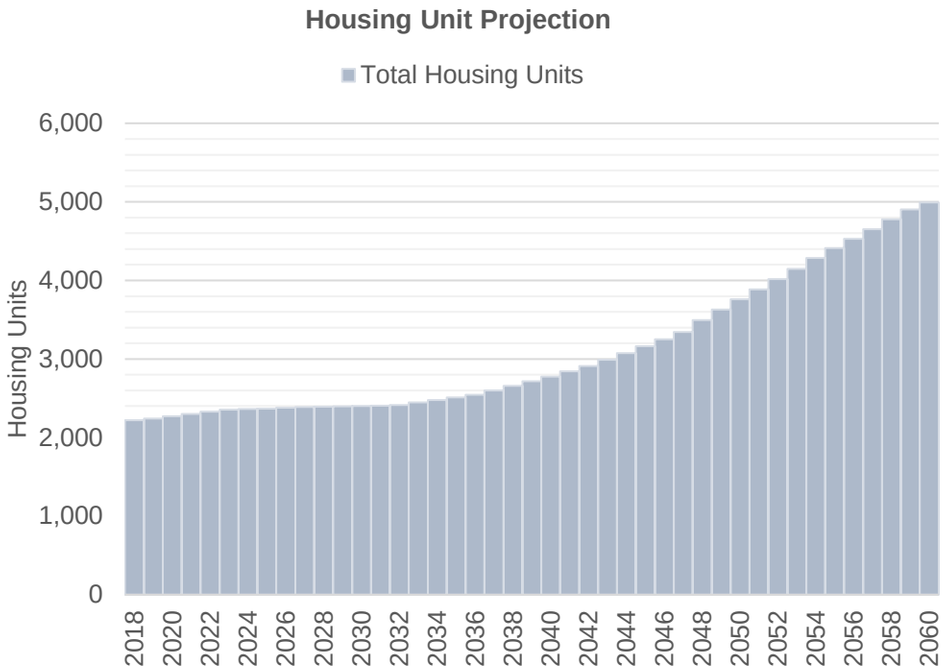
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

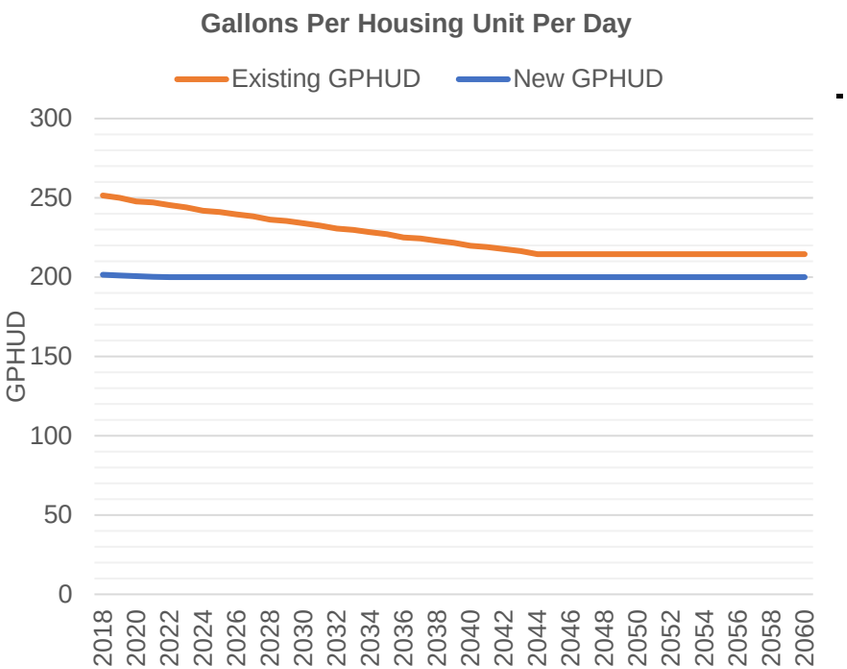
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,899	311	217	0	0	0	0	0	0	0	633	28
2019	1,920	310	217	0	0	0	0	0	0	0	631	30
2020	1,945	307	217	0	0	0	0	0	0	0	628	34
2021	1,971	306	216	0	0	0	0	0	0	0	624	40
2022	1,997	304	216	0	0	0	0	0	0	0	621	45
2023	2,024	302	215	0	0	0	0	0	0	0	618	51
2024	2,050	300	215	0	0	0	0	0	0	0	616	56
2025	2,077	299	214	0	0	0	0	0	0	0	613	61
2026	2,104	297	214	0	0	0	0	0	0	0	610	66
2027	2,132	295	214	0	0	0	0	0	0	0	608	71
2028	2,156	292	213	0	0	0	0	0	0	0	605	77
2029	2,176	292	213	0	0	0	0	0	0	0	602	81
2030	2,198	290	212	0	0	0	0	0	0	0	599	85
2031	2,220	288	212	0	0	0	0	0	0	0	596	89
2032	2,243	286	211	0	0	0	0	0	0	0	594	93
2033	2,270	285	211	0	0	0	0	0	0	0	592	98
2034	2,298	283	211	0	0	0	0	0	0	0	589	103
2035	2,327	281	210	0	0	0	0	0	0	0	587	108
2036	2,356	279	210	0	0	0	0	0	0	0	585	113
2037	2,399	278	209	0	0	0	0	0	0	0	584	119
2038	2,443	276	209	0	0	0	0	0	0	0	582	127
2039	2,488	274	208	0	0	0	0	0	0	0	581	135
2040	2,535	272	208	0	0	0	0	0	0	0	580	143
2041	2,585	271	208	0	0	0	0	0	0	0	578	152
2042	2,636	270	207	0	0	0	0	0	0	0	577	161
2043	2,696	268	207	0	0	0	0	0	0	0	576	171
2044	2,760	266	207	0	0	0	0	0	0	0	576	182
2045	2,827	265	207	0	0	0	0	0	0	0	576	194
2046	2,895	265	207	0	0	0	0	0	0	0	579	206
2047	2,965	265	207	0	0	0	0	0	0	0	582	219
2048	3,083	265	207	0	0	0	0	0	0	0	592	232
2049	3,185	265	207	0	0	0	0	0	0	0	595	254
2050	3,282	265	207	0	0	0	0	0	0	0	599	272
2051	3,381	265	207	0	0	0	0	0	0	0	604	290
2052	3,479	265	207	0	0	0	0	0	0	0	609	309
2053	3,580	265	207	0	0	0	0	0	0	0	613	327
2054	3,683	265	207	0	0	0	0	0	0	0	618	345
2055	3,781	265	207	0	0	0	0	0	0	0	622	364
2056	3,872	265	207	0	0	0	0	0	0	0	627	383
2057	3,965	265	207	0	0	0	0	0	0	0	631	399
2058	4,060	265	207	0	0	0	0	0	0	0	635	417
2059	4,158	265	207	0	0	0	0	0	0	0	640	434
2060	4,225	265	207	0	0	0	0	0	0	0	642	452

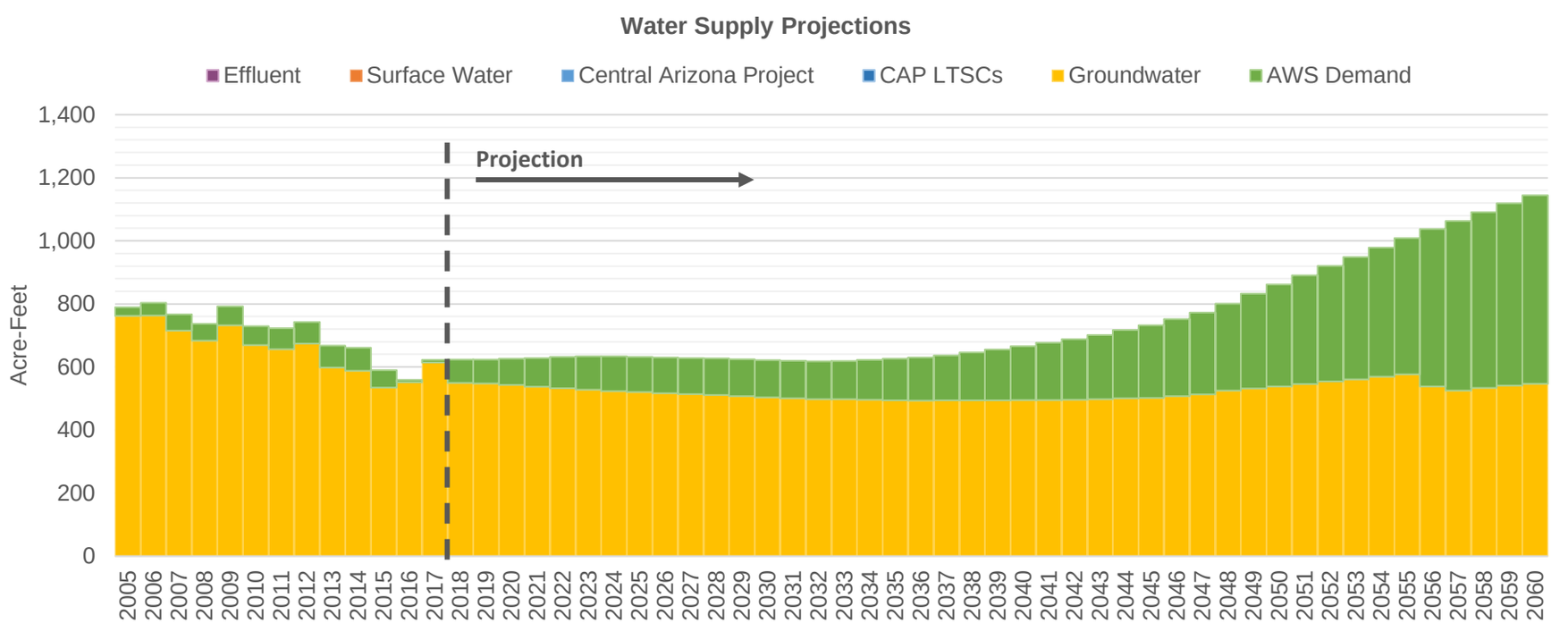
RayWC

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

RayWC

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

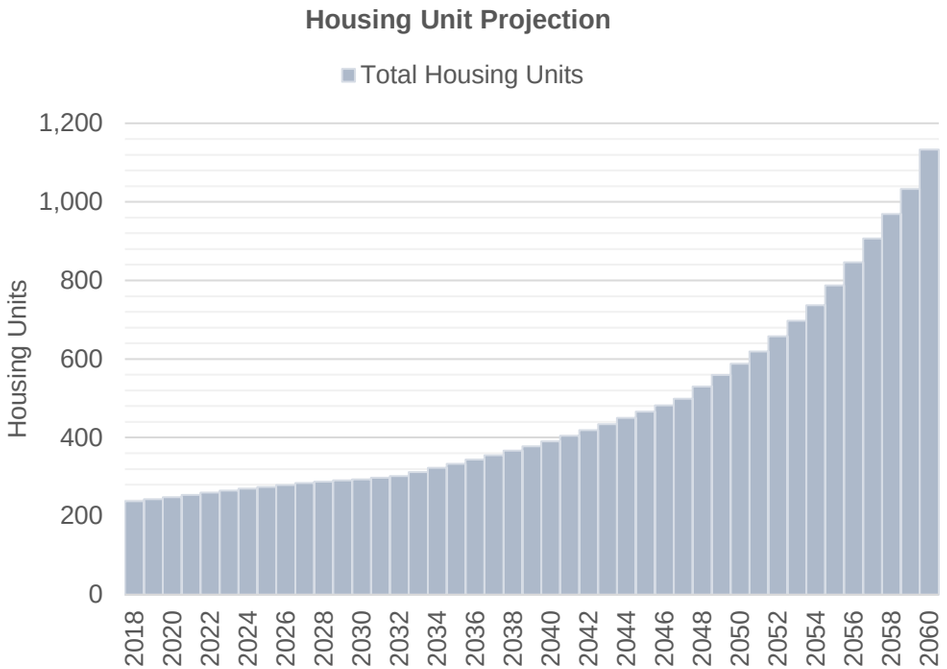
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

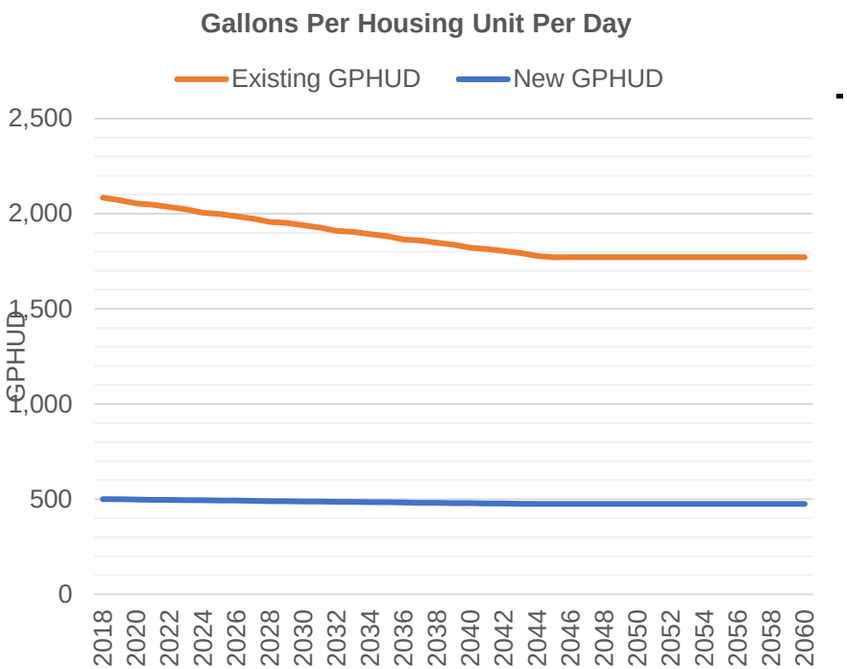
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	2,219	252	202	0	0	0	0	0	0	0	550	74
2019	2,243	250	201	0	0	0	0	0	0	0	547	76
2020	2,272	248	201	0	0	0	0	0	0	0	543	83
2021	2,301	247	200	0	0	0	0	0	0	0	537	91
2022	2,331	246	200	0	0	0	0	0	0	0	533	99
2023	2,354	244	200	0	0	0	0	0	0	0	528	106
2024	2,362	242	200	0	0	0	0	0	0	0	523	110
2025	2,370	241	200	0	0	0	0	0	0	0	520	112
2026	2,379	240	200	0	0	0	0	0	0	0	517	113
2027	2,388	238	200	0	0	0	0	0	0	0	514	115
2028	2,394	236	200	0	0	0	0	0	0	0	511	116
2029	2,398	235	200	0	0	0	0	0	0	0	507	117
2030	2,403	234	200	0	0	0	0	0	0	0	504	118
2031	2,407	233	200	0	0	0	0	0	0	0	501	119
2032	2,416	231	200	0	0	0	0	0	0	0	498	119
2033	2,447	230	200	0	0	0	0	0	0	0	498	121
2034	2,479	228	200	0	0	0	0	0	0	0	496	126
2035	2,511	227	200	0	0	0	0	0	0	0	495	131
2036	2,545	225	200	0	0	0	0	0	0	0	493	137
2037	2,601	224	200	0	0	0	0	0	0	0	494	142
2038	2,658	223	200	0	0	0	0	0	0	0	494	152
2039	2,717	222	200	0	0	0	0	0	0	0	495	161
2040	2,778	220	200	0	0	0	0	0	0	0	495	171
2041	2,844	219	200	0	0	0	0	0	0	0	496	181
2042	2,912	218	200	0	0	0	0	0	0	0	496	192
2043	2,989	216	200	0	0	0	0	0	0	0	498	204
2044	3,074	214	200	0	0	0	0	0	0	0	501	216
2045	3,161	214	200	0	0	0	0	0	0	0	502	231
2046	3,250	214	200	0	0	0	0	0	0	0	507	245
2047	3,342	214	200	0	0	0	0	0	0	0	513	260
2048	3,496	214	200	0	0	0	0	0	0	0	526	275
2049	3,631	214	200	0	0	0	0	0	0	0	531	301
2050	3,758	214	200	0	0	0	0	0	0	0	538	324
2051	3,887	214	200	0	0	0	0	0	0	0	546	345
2052	4,016	214	200	0	0	0	0	0	0	0	554	366
2053	4,149	214	200	0	0	0	0	0	0	0	561	388
2054	4,284	214	200	0	0	0	0	0	0	0	569	410
2055	4,412	214	200	0	0	0	0	0	0	0	577	431
2056	4,531	214	200	0	0	0	0	0	0	0	538	499
2057	4,653	214	200	0	0	0	0	0	0	0	525	537
2058	4,778	214	200	0	0	0	0	0	0	0	533	557
2059	4,906	214	200	0	0	0	0	0	0	0	542	577
2060	4,994	214	200	0	0	0	0	0	0	0	547	598

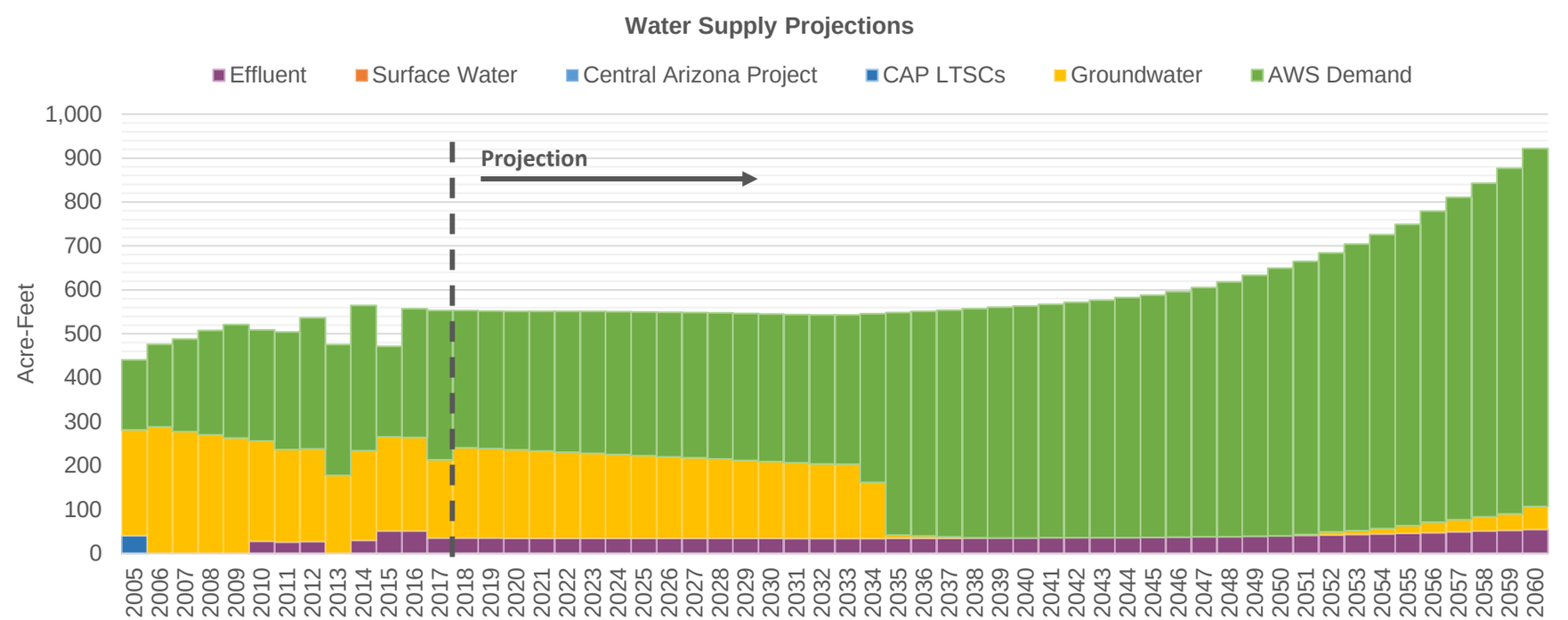
RidgeView

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

RidgeView

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

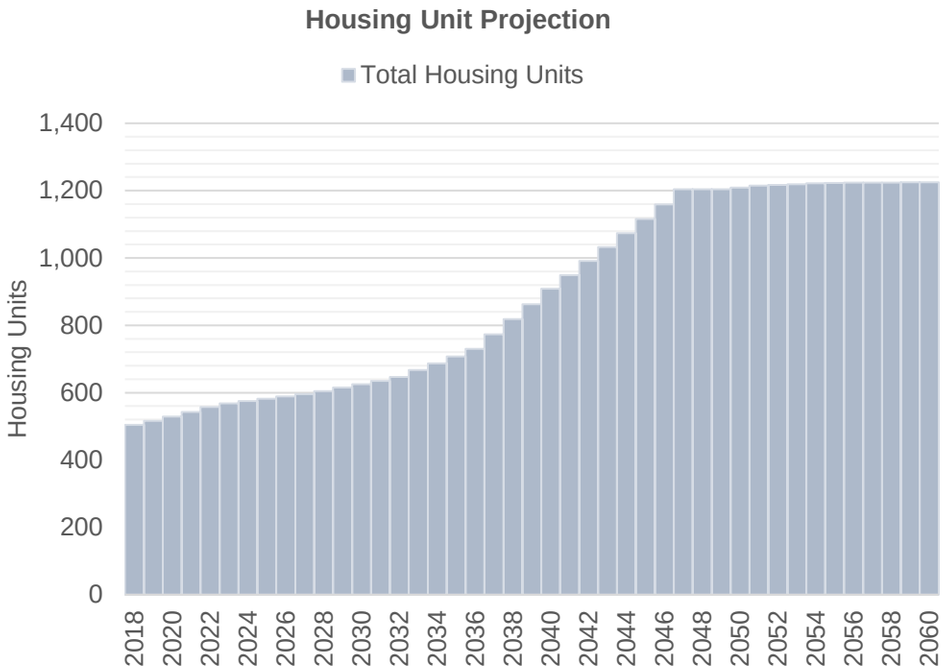
Water Supply Projections (Acre-Feet)

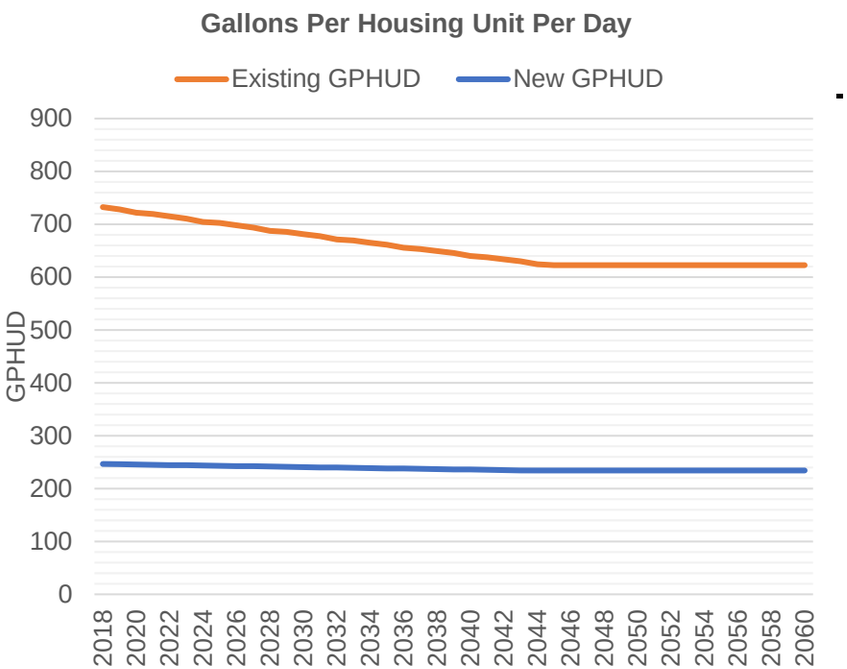
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	238	2,084	500	35	0	0	0	0	0	0	206	313
2019	243	2,072	499	35	0	0	0	0	0	0	204	313
2020	248	2,054	498	35	0	0	0	0	0	0	201	315
2021	254	2,047	497	35	0	0	0	0	0	0	198	318
2022	260	2,035	496	35	0	0	0	0	0	0	196	320
2023	265	2,022	495	35	0	0	0	0	0	0	193	323
2024	270	2,005	494	35	0	0	0	0	0	0	190	325
2025	274	1,998	493	35	0	0	0	0	0	0	188	327
2026	279	1,986	492	35	0	0	0	0	0	0	185	329
2027	284	1,974	491	35	0	0	0	0	0	0	183	331
2028	288	1,957	490	35	0	0	0	0	0	0	180	333
2029	291	1,951	489	35	0	0	0	0	0	0	177	334
2030	294	1,939	488	35	0	0	0	0	0	0	175	336
2031	298	1,927	487	34	0	0	0	0	0	0	173	337
2032	302	1.911	486	34	0	0	0	0	0	0	170	339
2033	312	1,904	485	34	0	0	0	0	0	0	169	340
2034	323	1,893	484	34	0	0	0	0	0	0	128	384
2035	333	1,881	483	35	0	0	0	0	0	0	7	507
2036	344	1,865	482	35	0	0	0	0	0	0	5	511
2037	355	1,859	481	35	0	0	0	0	0	0	3	516
2038	367	1,848	480	35	0	0	0	0	0	0	1	521
2039	378	1,837	479	35	0	0	0	0	0	0	0	525
2040	390	1,821	478	35	0	0	0	0	0	0	0	528
2041	405	1,815	477	36	0	0	0	0	0	0	0	532
2042	419	1,804	477	36	0	0	0	0	0	0	0	536
2043	434	1,793	476	36	0	0	0	0	0	0	0	541
2044	450	1,777	475	36	0	0	0	0	0	0	0	546
2045	466	1,772	475	37	0	0	0	0	0	0	0	551
2046	482	1,772	475	37	0	0	0	0	0	0	0	559
2047	499	1,772	475	38	0	0	0	0	0	0	0	567
2048	530	1,772	475	38	0	0	0	0	0	0	0	580
2049	559	1,772	475	39	0	0	0	0	0	0	0	595
2050	588	1,772	475	40	0	0	0	0	0	0	0	609
2051	619	1,772	475	41	0	0	0	0	0	0	2	622
2052	658	1,772	475	42	0	0	0	0	0	0	7	635
2053	697	1,772	475	43	0	0	0	0	0	0	9	652
2054	737	1,772	475	45	0	0	0	0	0	0	12	669
2055	787	1,772	475	46	0	0	0	0	0	0	18	686
2056	846	1,772	475	47	0	0	0	0	0	0	24	708
2057	907	1,772	475	49	0	0	0	0	0	0	28	733
2058	969	1,772	475	51	0	0	0	0	0	0	32	760
2059	1,033	1,772	475	53	0	0	0	0	0	0	37	786
2060	1,133	1,772	475	55	0	0	0	0	0	0	52	815

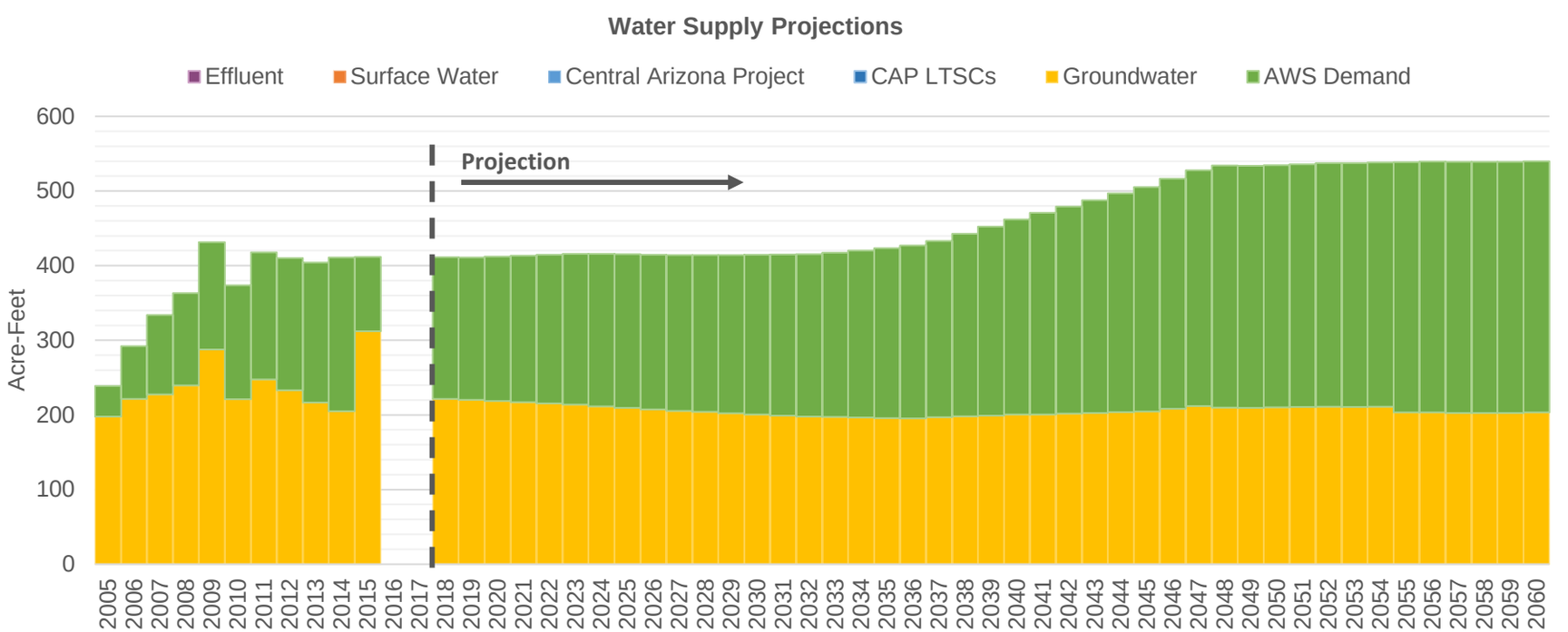
Central Arizona Project Service Area Model

Saguaro

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

Saguaro

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

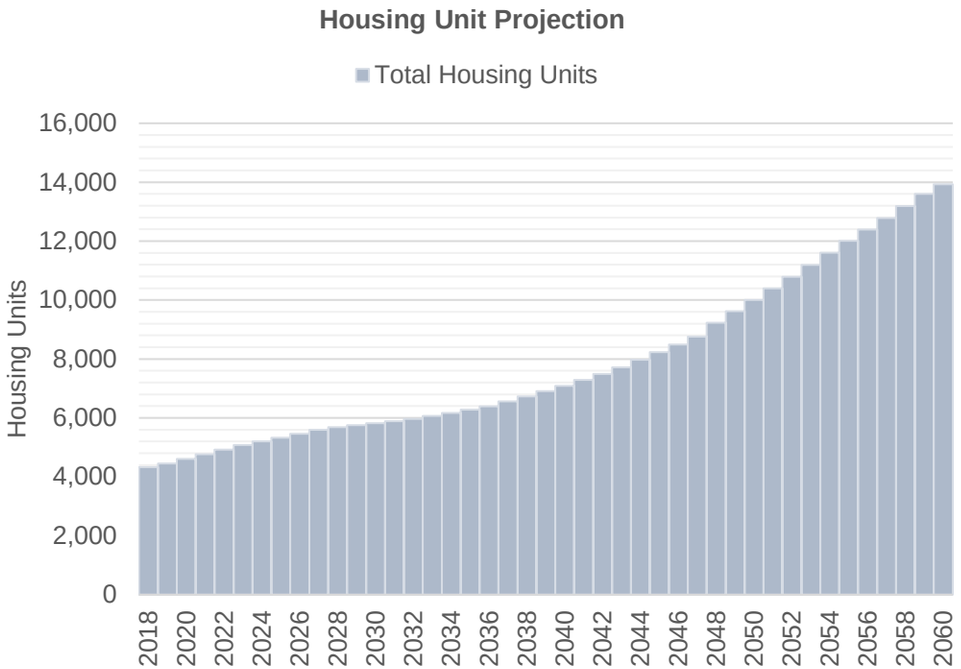
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

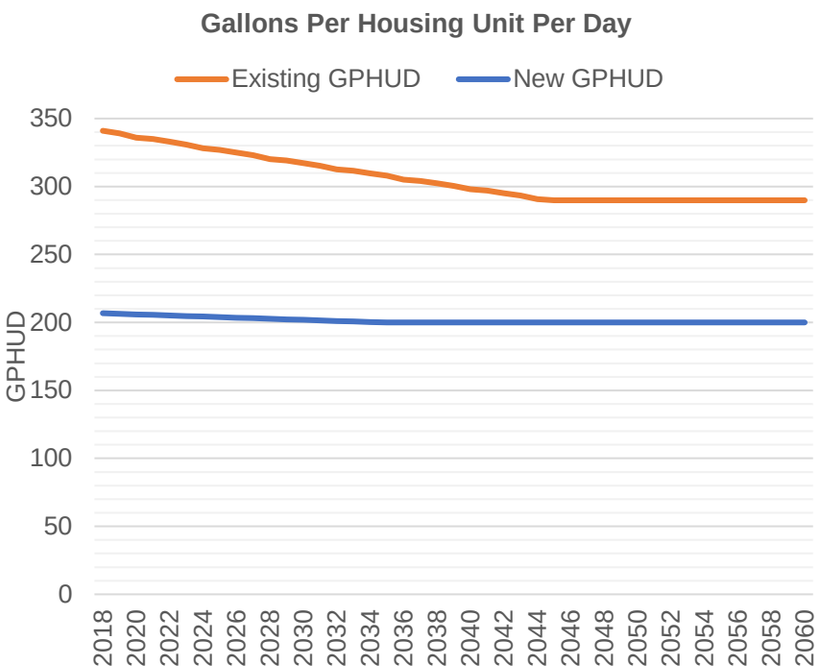
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	504	732	247	0	0	0	0	0	0	0	221	190
2019	516	728	246	0	0	0	0	0	0	0	220	191
2020	529	722	246	0	0	0	0	0	0	0	219	193
2021	543	719	245	0	0	0	0	0	0	0	217	196
2022	557	715	245	0	0	0	0	0	0	0	216	199
2023	568	711	244	0	0	0	0	0	0	0	214	202
2024	575	705	244	0	0	0	0	0	0	0	211	204
2025	582	702	243	0	0	0	0	0	0	0	209	206
2026	589	698	243	0	0	0	0	0	0	0	208	207
2027	596	694	242	0	0	0	0	0	0	0	206	209
2028	605	688	242	0	0	0	0	0	0	0	204	210
2029	615	686	241	0	0	0	0	0	0	0	202	212
2030	625	681	241	0	0	0	0	0	0	0	201	214
2031	635	677	240	0	0	0	0	0	0	0	199	216
2032	647	671	240	0	0	0	0	0	0	0	198	218
2033	667	669	239	0	0	0	0	0	0	0	197	220
2034	687	665	239	0	0	0	0	0	0	0	197	224
2035	708	661	238	0	0	0	0	0	0	0	196	228
2036	730	655	238	0	0	0	0	0	0	0	195	232
2037	773	653	237	0	0	0	0	0	0	0	197	236
2038	818	649	237	0	0	0	0	0	0	0	198	244
2039	863	646	236	0	0	0	0	0	0	0	199	253
2040	909	640	236	0	0	0	0	0	0	0	200	262
2041	949	638	235	0	0	0	0	0	0	0	201	270
2042	991	634	235	0	0	0	0	0	0	0	202	278
2043	1,032	630	235	0	0	0	0	0	0	0	202	285
2044	1,074	625	234	0	0	0	0	0	0	0	204	293
2045	1,116	623	234	0	0	0	0	0	0	0	205	301
2046	1,159	623	234	0	0	0	0	0	0	0	208	308
2047	1,204	623	234	0	0	0	0	0	0	0	212	316
2048	1,204	623	234	0	0	0	0	0	0	0	210	324
2049	1,204	623	234	0	0	0	0	0	0	0	209	324
2050	1,209	623	234	0	0	0	0	0	0	0	210	324
2051	1,215	623	234	0	0	0	0	0	0	0	211	325
2052	1,217	623	234	0	0	0	0	0	0	0	211	326
2053	1,219	623	234	0	0	0	0	0	0	0	211	327
2054	1,222	623	234	0	0	0	0	0	0	0	211	327
2055	1,223	623	234	0	0	0	0	0	0	0	204	335
2056	1,224	623	234	0	0	0	0	0	0	0	203	336
2057	1,224	623	234	0	0	0	0	0	0	0	203	336
2058	1,224	623	234	0	0	0	0	0	0	0	203	336
2059	1,225	623	234	0	0	0	0	0	0	0	203	336
2060	1,225	623	234	0	0	0	0	0	0	0	203	337

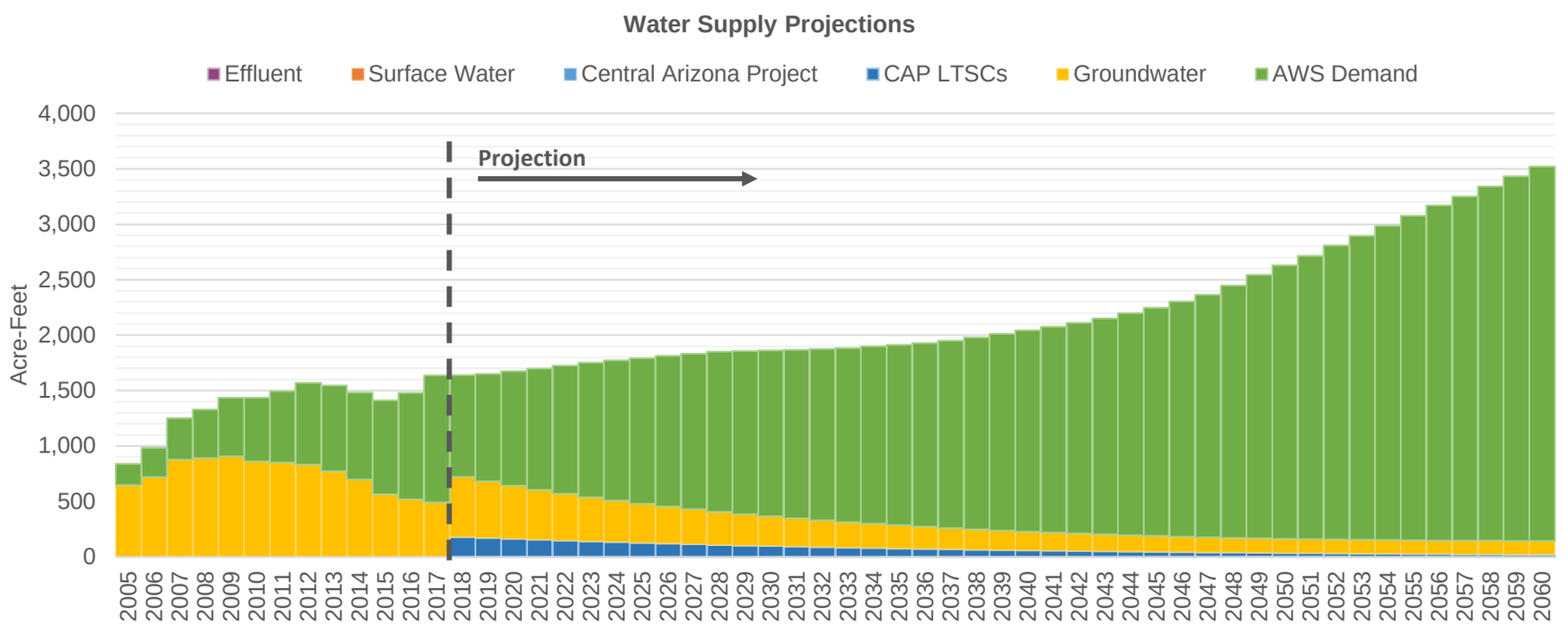
Central Arizona Project Service Area Model

Sahuarita

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

Sahuarita

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

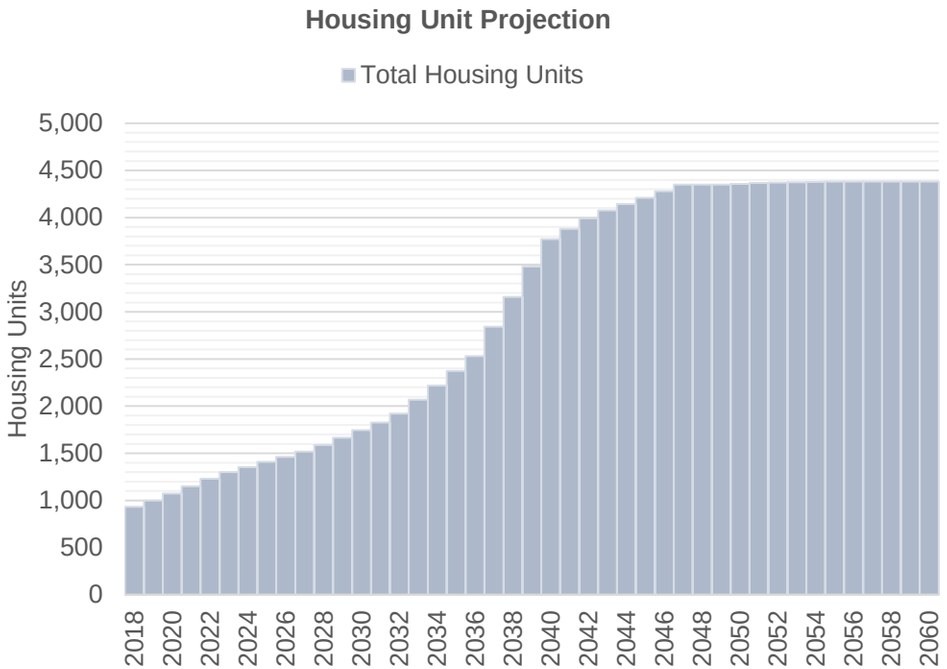
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

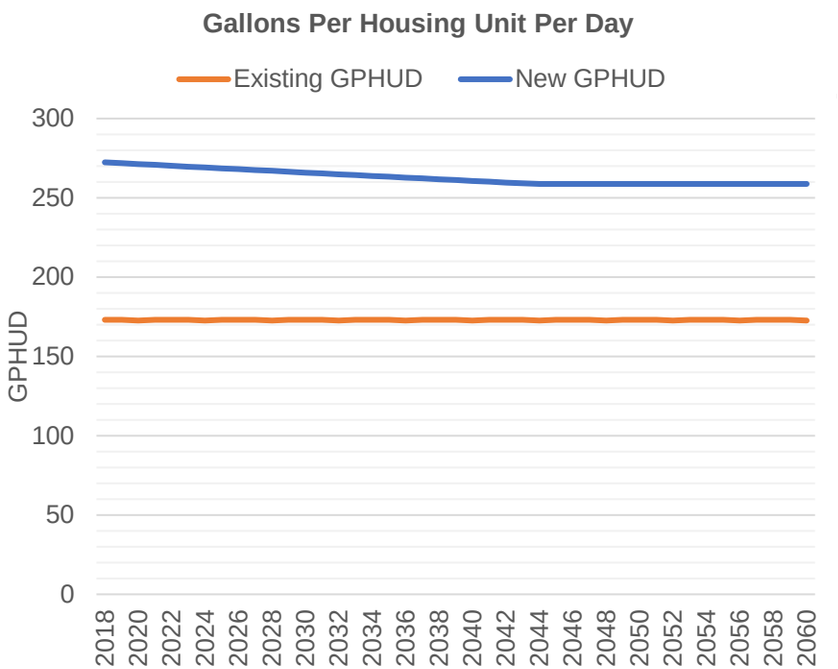
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,324	341	207	0	0	0	0	0	0	179	544	918
2019	4,455	339	206	0	0	0	0	0	0	171	510	970
2020	4,607	336	206	0	0	0	0	0	0	162	479	1,033
2021	4,766	335	206	0	0	0	0	0	0	154	450	1,096
2022	4,927	333	205	0	0	0	0	0	0	146	423	1,157
2023	5,077	331	205	0	0	0	0	0	0	139	398	1,215
2024	5,203	328	204	0	0	0	0	0	0	132	375	1,267
2025	5,331	327	204	0	0	0	0	0	0	125	354	1,314
2026	5,462	325	204	0	0	0	0	0	0	119	334	1,360
2027	5,595	323	203	0	0	0	0	0	0	113	316	1,404
2028	5,689	320	203	0	0	0	0	0	0	107	299	1,444
2029	5,754	319	202	0	0	0	0	0	0	102	283	1,472
2030	5,821	317	202	0	0	0	0	0	0	97	268	1,497
2031	5,889	315	201	0	0	0	0	0	0	92	255	1,521
2032	5.963	313	201	0	0	0	0	0	0	88	242	1.545
2033	6,067	312	201	0	0	0	0	0	0	83	230	1,571
2034	6,174	310	200	0	0	0	0	0	0	79	220	1,600
2035	6,282	308	200	0	0	0	0	0	0	75	209	1,628
2036	6,394	305	200	0	0	0	0	0	0	71	200	1,658
2037	6,562	304	200	0	0	0	0	0	0	68	191	1,692
2038	6,734	302	200	0	0	0	0	0	0	64	183	1,733
2039	6,910	301	200	0	0	0	0	0	0	61	176	1,773
2040	7,093	298	200	0	0	0	0	0	0	58	169	1,816
2041	7,289	297	200	0	0	0	0	0	0	55	163	1,858
2042	7,491	295	200	0	0	0	0	0	0	52	157	1,902
2043	7,721	293	200	0	0	0	0	0	0	50	152	1,950
2044	7,972	291	200	0	0	0	0	0	0	47	147	2,005
2045	8,230	290	200	0	0	0	0	0	0	45	143	2,058
2046	8,494	290	200	0	0	0	0	0	0	43	139	2,122
2047	8,765	290	200	0	0	0	0	0	0	41	136	2,188
2048	9,226	290	200	0	0	0	0	0	0	39	133	2,278
2049	9,628	290	200	0	0	0	0	0	0	37	130	2,376
2050	10,008	290	200	0	0	0	0	0	0	35	128	2,468
2051	10,398	290	200	0	0	0	0	0	0	33	126	2,558
2052	10,792	290	200	0	0	0	0	0	0	31	125	2,653
2053	11,196	290	200	0	0	0	0	0	0	30	123	2,741
2054	11,611	290	200	0	0	0	0	0	0	28	123	2,835
2055	12,012	290	200	0	0	0	0	0	0	27	122	2,928
2056	12,394	290	200	0	0	0	0	0	0	26	122	3,022
2057	12,787	290	200	0	0	0	0	0	0	24	122	3,105
2058	13,190	290	200	0	0	0	0	0	0	23	122	3,195
2059	13,604	290	200	0	0	0	0	0	0	22	123	3,288
2060	13,930	290	200	0	0	0	0	0	0	21	124	3,377

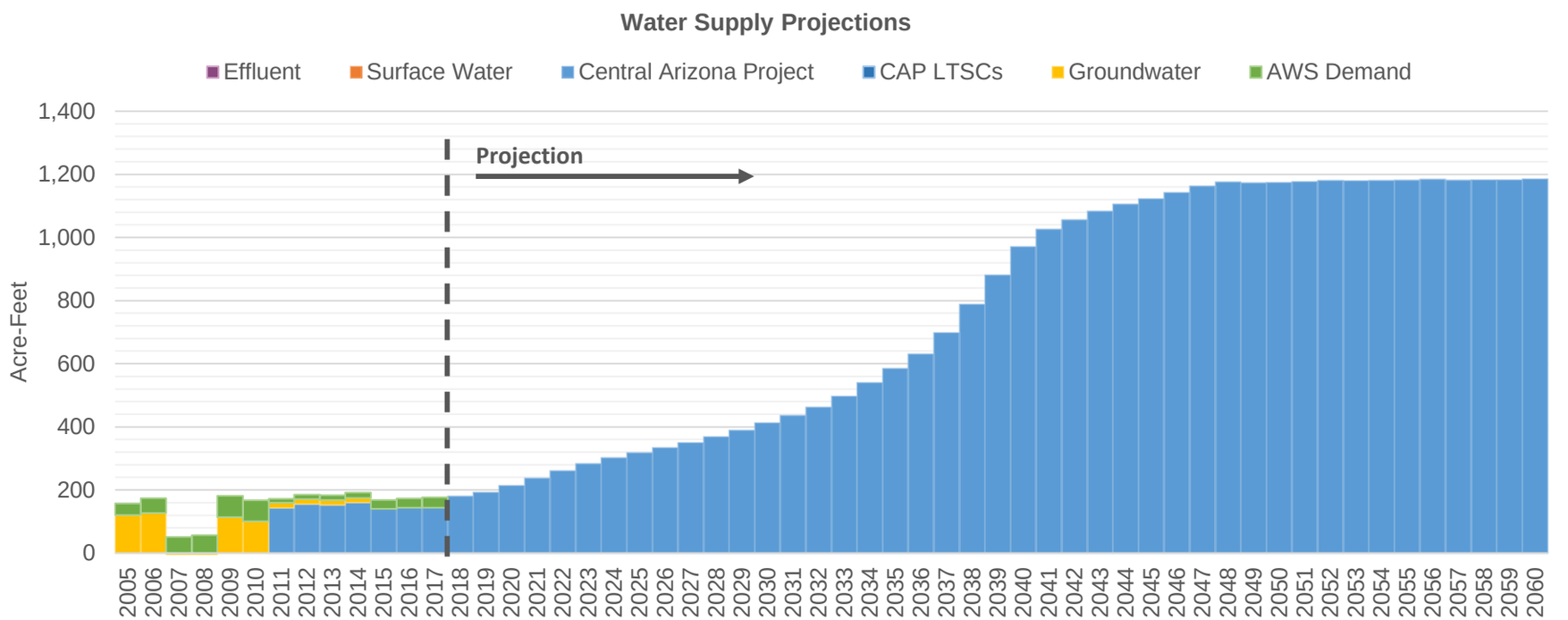
Central Arizona Project Service Area Model

SpanishTrailWC

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

SpanishTrailWC

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

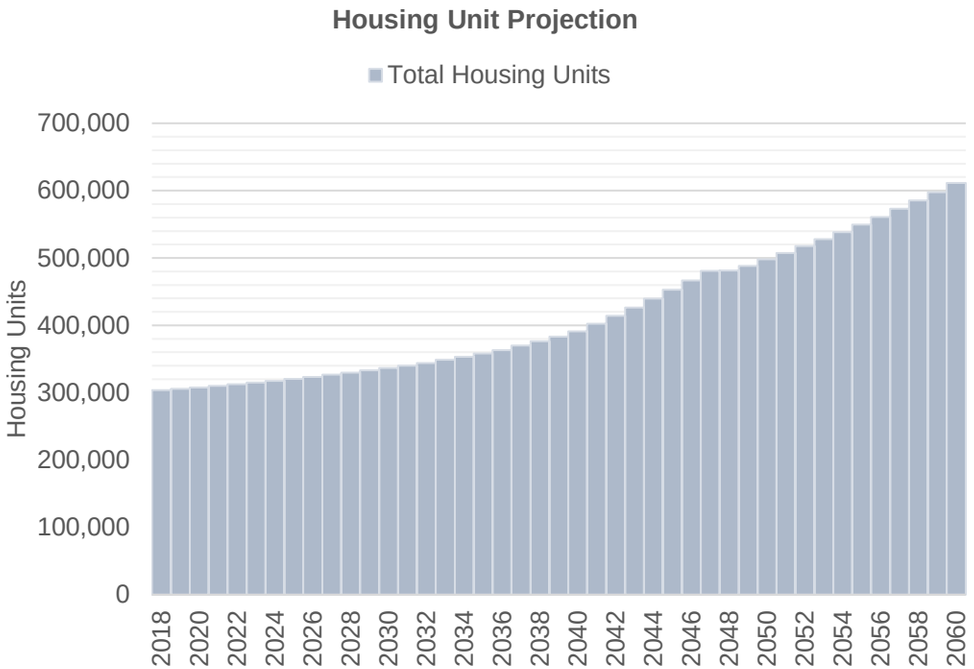
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

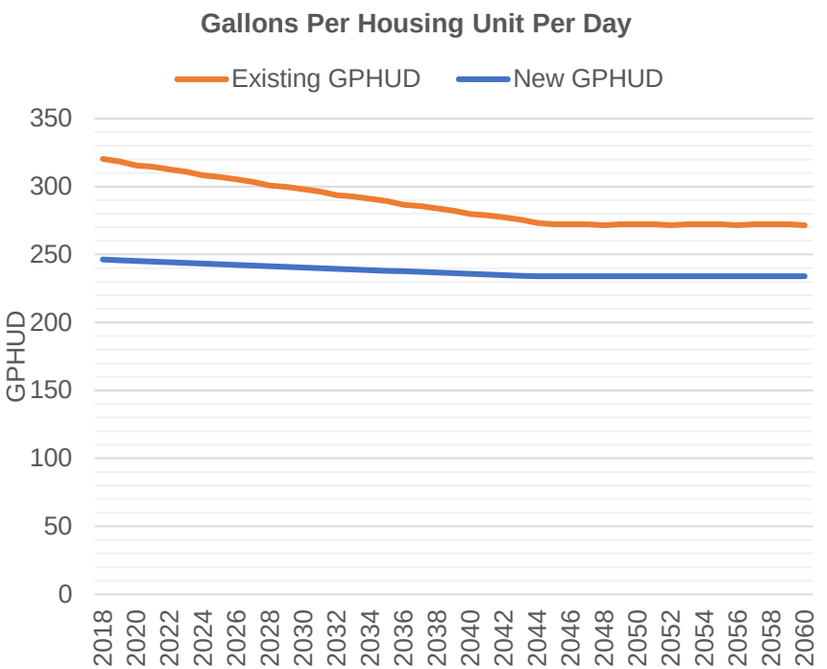
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	933	173	272	0	0	0	0	180	2,857	0	0	0
2019	998	173	272	0	0	0	0	193	2,844	0	0	0
2020	1,073	173	271	0	0	0	0	214	2,823	0	0	0
2021	1,151	173	271	0	0	0	0	237	2,800	0	0	0
2022	1,231	173	270	0	0	0	0	261	2,776	0	0	0
2023	1,302	173	270	0	0	0	0	284	2,753	0	0	0
2024	1,354	173	269	0	0	0	0	303	2,734	0	0	0
2025	1,408	173	269	0	0	0	0	318	2,719	0	0	0
2026	1,462	173	268	0	0	0	0	334	2,703	0	0	0
2027	1,518	173	268	0	0	0	0	350	2,687	0	0	0
2028	1,587	173	267	0	0	0	0	369	2,668	0	0	0
2029	1,665	173	266	0	0	0	0	390	2,647	0	0	0
2030	1,744	173	266	0	0	0	0	413	2,624	0	0	0
2031	1,826	173	265	0	0	0	0	436	2,601	0	0	0
2032	1.919	173	265	0	0	0	0	462	2.575	0	0	0
2033	2,067	173	264	0	0	0	0	497	2,540	0	0	0
2034	2,218	173	264	0	0	0	0	540	2,497	0	0	0
2035	2,373	173	263	0	0	0	0	585	2,452	0	0	0
2036	2,532	173	263	0	0	0	0	631	2,406	0	0	0
2037	2,842	173	262	0	0	0	0	698	2,339	0	0	0
2038	3,158	173	262	0	0	0	0	789	2,248	0	0	0
2039	3,482	173	261	0	0	0	0	881	1,620	0	0	0
2040	3,771	173	261	0	0	0	0	971	2,046	0	0	0
2041	3,881	173	260	0	0	0	0	1,026	2,011	0	0	0
2042	3,993	173	260	0	0	0	0	1,056	1,981	0	0	0
2043	4,077	173	259	0	0	0	0	1,083	1,954	0	0	0
2044	4,142	173	259	0	0	0	0	1,106	1,931	0	0	0
2045	4,210	173	259	0	0	0	0	1,123	1,914	0	0	0
2046	4,278	173	259	0	0	0	0	1,143	1,894	0	0	0
2047	4,349	173	259	0	0	0	0	1,163	1,874	0	0	0
2048	4,349	173	259	0	0	0	0	1,176	1,861	0	0	0
2049	4,349	173	259	0	0	0	0	1,173	1,864	0	0	0
2050	4,358	173	259	0	0	0	0	1,174	1,863	0	0	0
2051	4,366	173	259	0	0	0	0	1,177	1,860	0	0	0
2052	4,370	173	259	0	0	0	0	1,181	1,758	0	0	0
2053	4,373	173	259	0	0	0	0	1,180	1,759	0	0	0
2054	4,377	173	259	0	0	0	0	1,181	1,548	0	0	0
2055	4,380	173	259	0	0	0	0	1,182	1,073	0	0	0
2056	4,380	173	259	0	0	0	0	1,185	806	0	0	0
2057	4,381	173	259	0	0	0	0	1,182	1,546	0	0	0
2058	4,381	173	259	0	0	0	0	1,182	1,546	0	0	0
2059	4,382	173	259	0	0	0	0	1,182	1,546	0	0	0
2060	4,382	173	259	0	0	0	0	1,185	1,543	0	0	0

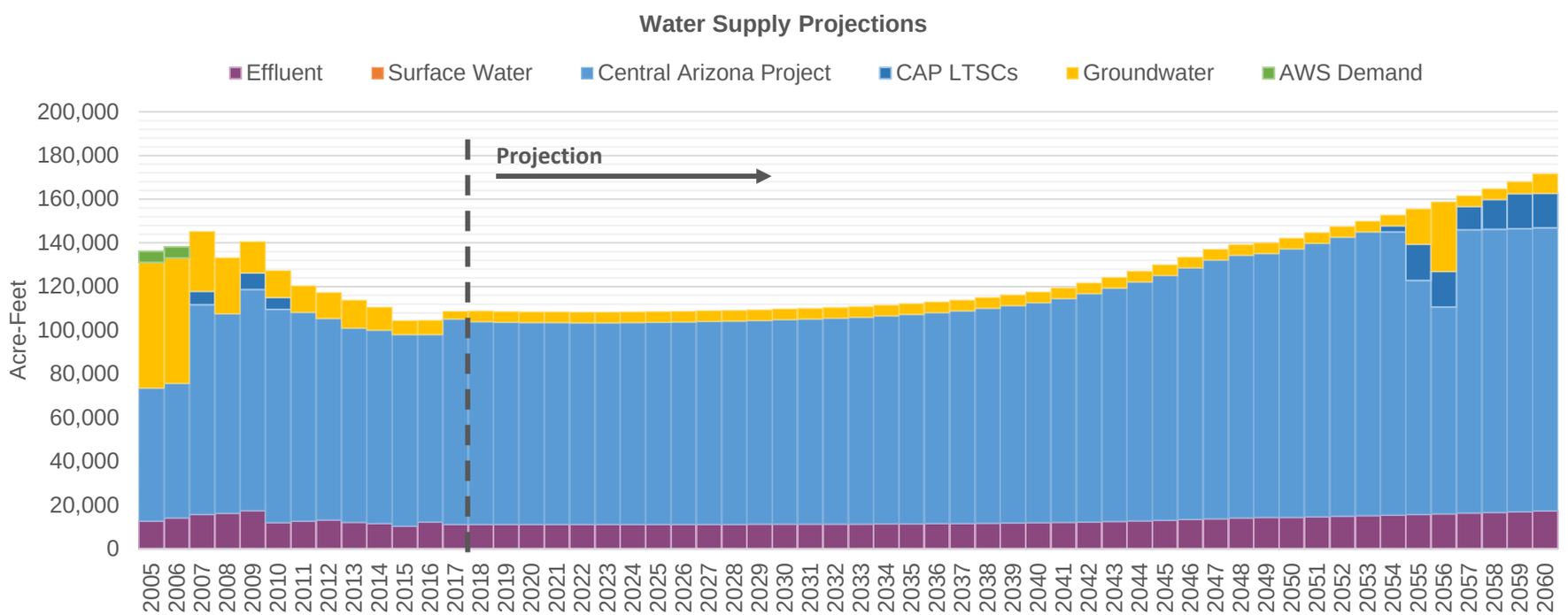
Central Arizona Project Service Area Model

Tucson

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

Tucson

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

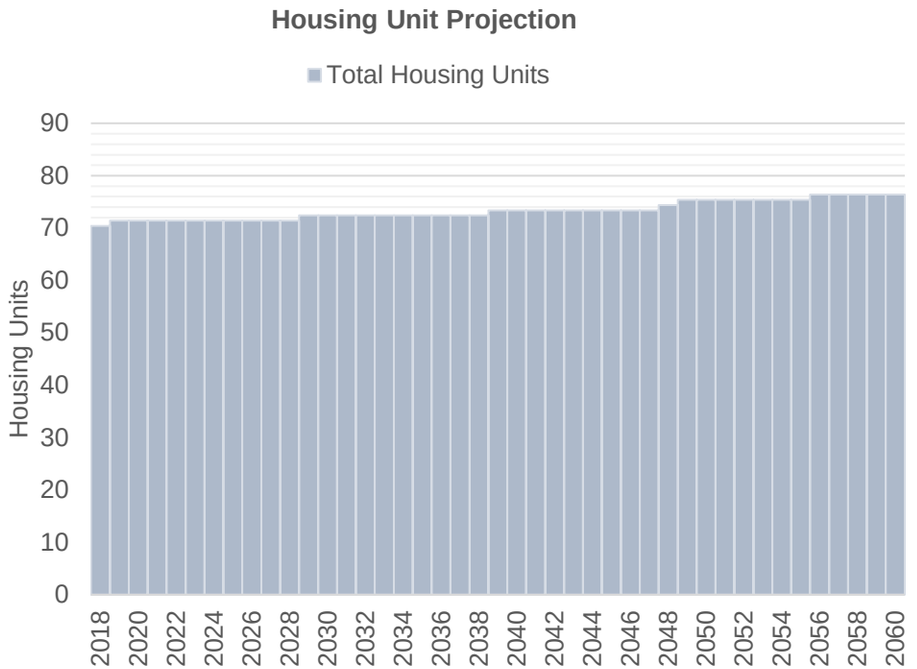
Water Supply Projections (Acre-Feet)

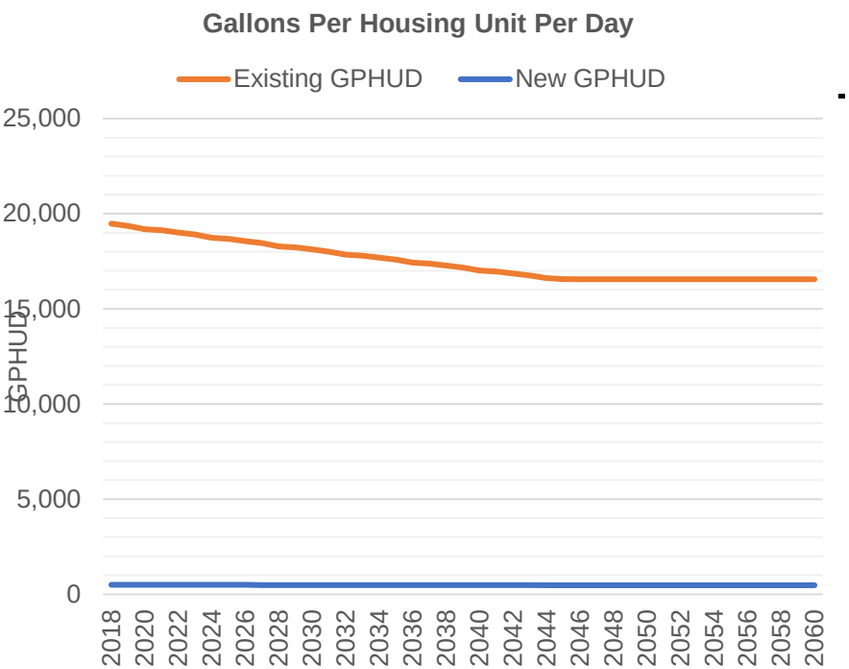
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	303,802	320	246	11,236	0	0	0	92,687	51,485	0	4,951	0
2019	305,670	318	246	11,236	0	0	0	92,371	51,801	0	4,951	0
2020	307,830	316	245	11,203	0	0	0	92,311	51,861	0	4,951	0
2021	310,088	315	245	11,194	0	0	0	92,276	51,896	0	4,951	0
2022	312,375	313	244	11,189	0	0	0	92,259	51,913	0	4,951	0
2023	314,846	311	244	11,187	0	0	0	92,269	51,903	0	4,951	0
2024	317,694	308	243	11,188	0	0	0	92,364	51,808	0	4,951	0
2025	320,599	307	243	11,198	0	0	0	92,490	51,682	0	4,951	0
2026	323,563	305	242	11,212	0	0	0	92,639	51,534	0	4,951	0
2027	326,589	303	242	11,228	0	0	0	92,802	51,371	0	4,951	0
2028	329,821	301	241	11,247	0	0	0	93,017	51,155	0	4,951	0
2029	333,224	300	241	11,271	0	0	0	93,242	50,930	0	4,951	0
2030	336,698	298	240	11,297	0	0	0	93,516	50,656	0	4,951	0
2031	340,247	296	240	11,328	0	0	0	93,805	50,367	0	4,951	0
2032	344,022	294	240	11,361	0	0	0	94,160	50,012	0	4,951	0
2033	348,673	293	239	11,401	0	0	0	94,598	49,574	0	4,951	0
2034	353,426	291	239	11,450	0	0	0	95,186	48,986	0	4,951	0
2035	358,283	289	238	11,516	0	0	0	95,783	48,389	0	4,951	0
2036	363,263	287	238	11,584	0	0	0	96,449	47,723	0	4,951	0
2037	369,842	286	237	11,660	0	0	0	97,250	46,922	0	4,951	0
2038	376,569	284	237	11,751	0	0	0	98,307	45,865	0	4,951	0
2039	383,450	282	236	11,869	0	0	0	99,373	19,372	0	4,951	0
2040	391,218	280	236	11,991	0	0	0	100,629	42,601	0	4,951	0
2041	402,457	279	235	12,134	0	0	0	102,314	41,858	0	4,951	0
2042	413,959	277	235	12,322	0	0	0	104,498	39,674	0	4,951	0
2043	426,369	276	234	12,567	0	0	0	106,771	37,402	0	4,951	0
2044	439,516	273	234	12,827	0	0	0	109,354	34,818	0	4,951	0
2045	452,973	272	234	13,120	0	0	0	111,896	32,276	0	4,951	0
2046	466,737	272	234	13,413	0	0	0	115,168	29,004	0	4,951	0
2047	480,835	272	234	13,781	0	0	0	118,451	25,721	0	4,951	0
2048	481,573	272	234	14,158	0	0	0	120,147	24,025	0	4,951	0
2049	488,319	272	234	14,371	0	0	0	120,786	23,386	0	4,951	0
2050	497,810	272	234	14,459	0	0	0	122,826	21,346	0	4,951	0
2051	507,551	272	234	14,679	0	0	0	125,127	19,045	0	4,951	0
2052	517,595	272	234	14,939	0	0	0	127,610	11,904	0	4,951	0
2053	527,894	272	234	15,222	0	0	0	129,843	9,671	0	4,951	0
2054	538,457	272	234	15,482	0	0	0	129,512	0	2,805	4,951	0
2055	549,507	272	234	15,764	0	0	0	107,007	0	16,601	16,211	0
2056	561,091	272	234	16,056	0	0	0	94,505	0	16,435	31,735	0
2057	572,978	272	234	16,381	0	0	0	129,512	0	10,781	4,951	0
2058	585,178	272	234	16,680	0	0	0	129,512	0	13,639	4,951	0
2059	597,701	272	234	17,006	0	0	0	129,512	0	16,026	5,479	0
2060	611,536	272	234	17,340	0	0	0	129,512	0	15,866	8,976	0

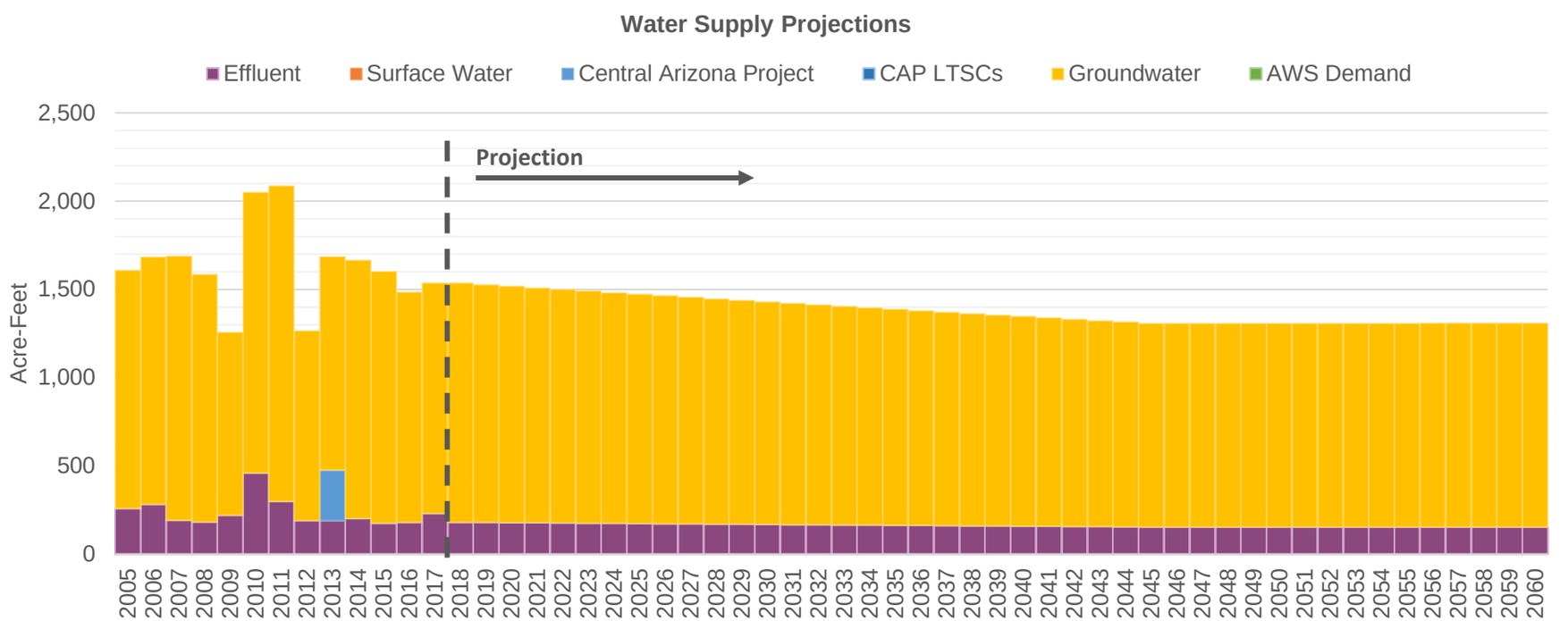
UniversityofAZ

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

UniversityofAZ

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions

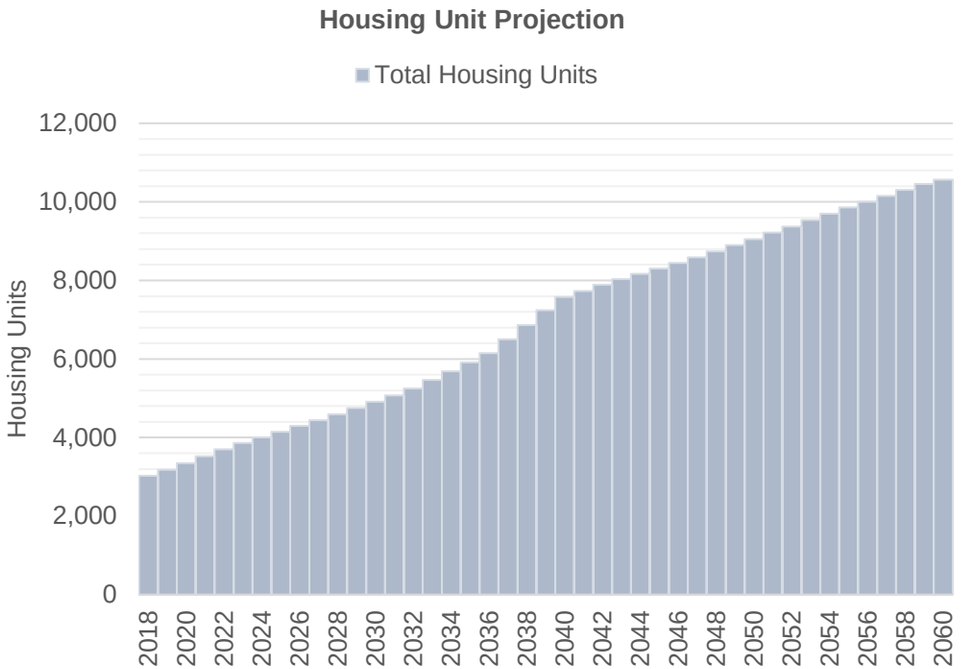
Water Supply Projections (Acre-Feet)

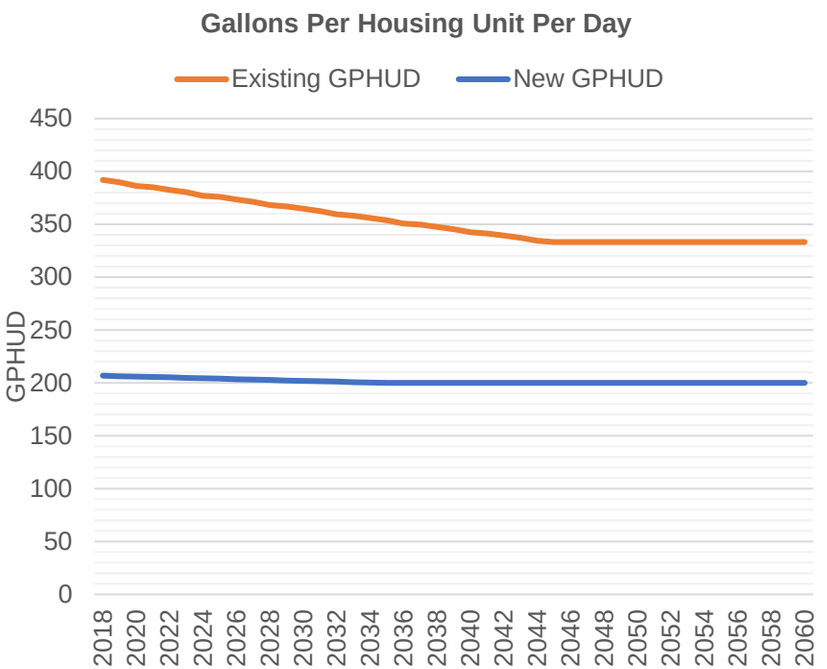
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	70	19,478	500	180	0	0	0	0	0	0	1,356	0
2019	71	19,361	499	180	0	0	0	0	0	0	1,347	0
2020	71	19,192	498	179	0	0	0	0	0	0	1,339	0
2021	71	19,129	497	178	0	0	0	0	0	0	1,331	0
2022	71	19,015	496	177	0	0	0	0	0	0	1,323	0
2023	71	18,901	495	176	0	0	0	0	0	0	1,315	0
2024	71	18,736	494	175	0	0	0	0	0	0	1,307	0
2025	71	18,674	493	174	0	0	0	0	0	0	1,300	0
2026	71	18,562	492	173	0	0	0	0	0	0	1,292	0
2027	71	18,451	491	172	0	0	0	0	0	0	1,284	0
2028	71	18,290	490	171	0	0	0	0	0	0	1,276	0
2029	72	18,230	489	170	0	0	0	0	0	0	1,269	0
2030	72	18,121	488	169	0	0	0	0	0	0	1,262	0
2031	72	18,012	487	168	0	0	0	0	0	0	1,254	0
2032	72	17,855	486	167	0	0	0	0	0	0	1,246	0
2033	72	17,797	485	166	0	0	0	0	0	0	1,239	0
2034	72	17,690	484	165	0	0	0	0	0	0	1,231	0
2035	72	17,584	483	164	0	0	0	0	0	0	1,224	0
2036	72	17,431	482	163	0	0	0	0	0	0	1,217	0
2037	72	17,373	481	162	0	0	0	0	0	0	1,209	0
2038	72	17,269	480	161	0	0	0	0	0	0	1,202	0
2039	73	17,166	479	160	0	0	0	0	0	0	1,195	0
2040	73	17,016	478	159	0	0	0	0	0	0	1,188	0
2041	73	16,960	477	158	0	0	0	0	0	0	1,181	0
2042	73	16,858	477	157	0	0	0	0	0	0	1,174	0
2043	73	16,757	476	156	0	0	0	0	0	0	1,167	0
2044	73	16,611	475	155	0	0	0	0	0	0	1,160	0
2045	73	16,557	475	154	0	0	0	0	0	0	1,153	0
2046	73	16,556	475	153	0	0	0	0	0	0	1,154	0
2047	73	16,556	475	153	0	0	0	0	0	0	1,154	0
2048	74	16,556	475	153	0	0	0	0	0	0	1,154	0
2049	75	16,556	475	153	0	0	0	0	0	0	1,155	0
2050	75	16,556	475	153	0	0	0	0	0	0	1,155	0
2051	75	16,556	475	153	0	0	0	0	0	0	1,155	0
2052	75	16,556	475	153	0	0	0	0	0	0	1,155	0
2053	75	16,556	475	153	0	0	0	0	0	0	1,155	0
2054	75	16,556	475	153	0	0	0	0	0	0	1,155	0
2055	75	16,556	475	153	0	0	0	0	0	0	1,155	0
2056	76	16,556	475	153	0	0	0	0	0	0	1,156	0
2057	76	16,556	475	153	0	0	0	0	0	0	1,156	0
2058	76	16,556	475	153	0	0	0	0	0	0	1,156	0
2059	76	16,556	475	153	0	0	0	0	0	0	1,156	0
2060	76	16,556	475	153	0	0	0	0	0	0	1,156	0

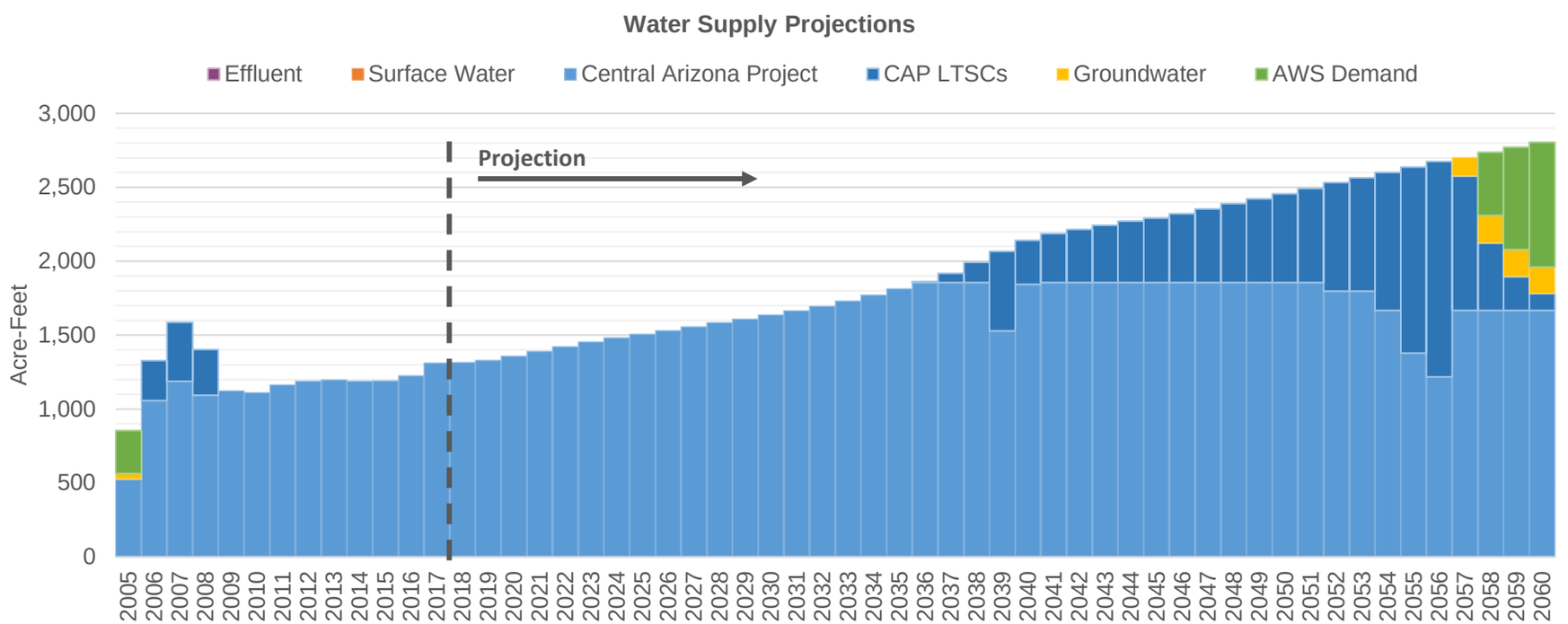
VailWC

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

VailWC

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

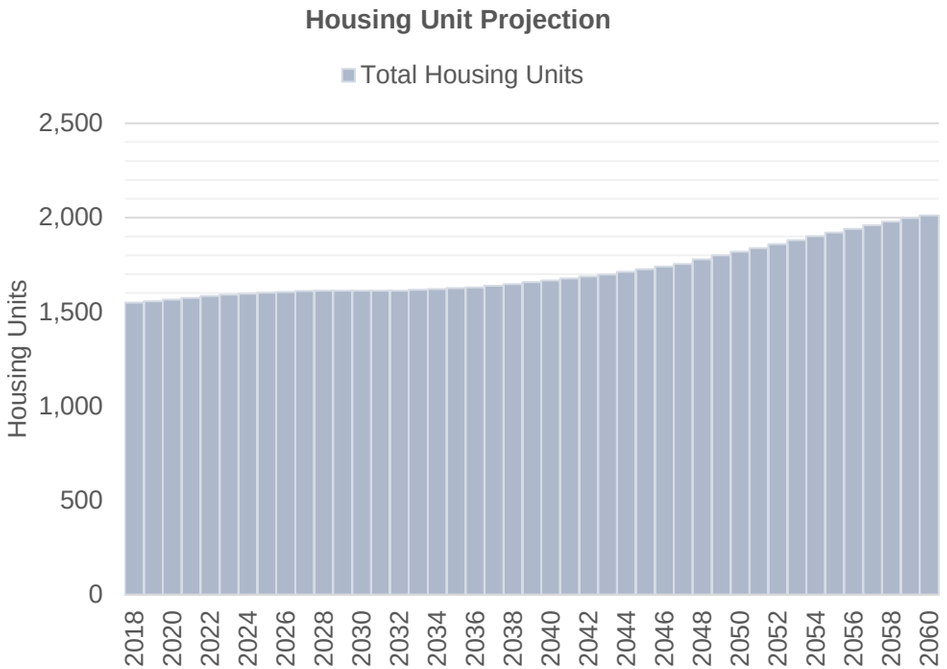
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

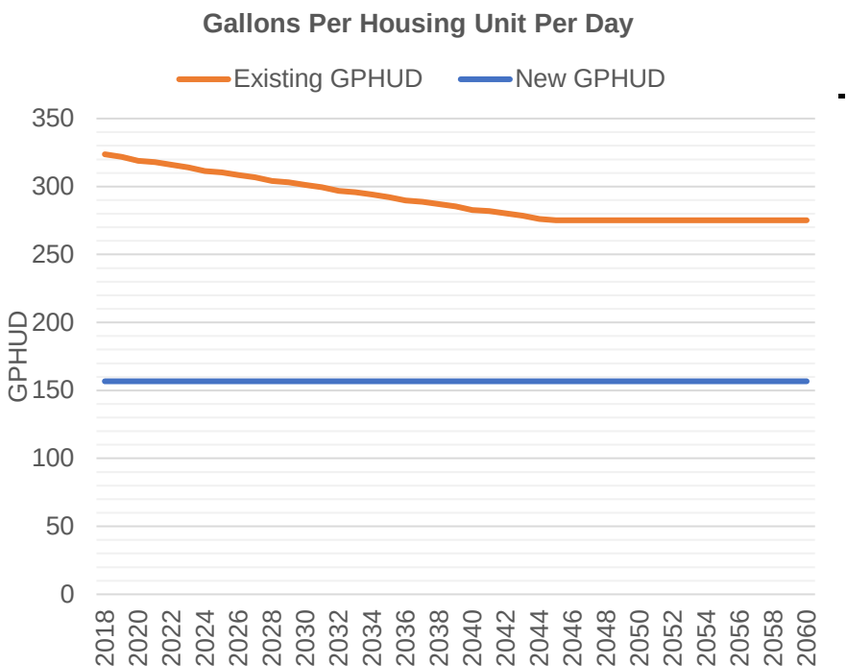
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,032	392	207	0	0	0	0	1,317	540	0	0	0
2019	3,177	390	206	0	0	0	0	1,331	526	0	0	0
2020	3,345	386	206	0	0	0	0	1,359	498	0	0	0
2021	3,521	385	206	0	0	0	0	1,391	466	0	0	0
2022	3,698	383	205	0	0	0	0	1,423	434	0	0	0
2023	3,864	380	205	0	0	0	0	1,455	402	0	0	0
2024	4,005	377	204	0	0	0	0	1,483	374	0	0	0
2025	4,149	376	204	0	0	0	0	1,506	351	0	0	0
2026	4,295	374	204	0	0	0	0	1,531	326	0	0	0
2027	4,445	371	203	0	0	0	0	1,557	300	0	0	0
2028	4,597	368	203	0	0	0	0	1,584	273	0	0	0
2029	4,753	367	202	0	0	0	0	1,610	247	0	0	0
2030	4,912	365	202	0	0	0	0	1,638	219	0	0	0
2031	5,074	362	201	0	0	0	0	1,666	191	0	0	0
2032	5,247	359	201	0	0	0	0	1,696	161	0	0	0
2033	5,466	358	201	0	0	0	0	1,731	126	0	0	0
2034	5,689	356	200	0	0	0	0	1,772	85	0	0	0
2035	5,917	354	200	0	0	0	0	1,815	42	0	0	0
2036	6,151	351	200	0	0	0	0	1,857	0	4	0	0
2037	6,506	350	200	0	0	0	0	1,857	0	61	0	0
2038	6,868	348	200	0	0	0	0	1,857	0	135	0	0
2039	7,239	345	200	0	0	0	0	1,529	0	537	0	0
2040	7,576	342	200	0	0	0	0	1,845	0	297	0	0
2041	7,733	341	200	0	0	0	0	1,857	0	331	0	0
2042	7,893	339	200	0	0	0	0	1,857	0	359	0	0
2043	8,037	337	200	0	0	0	0	1,857	0	387	0	0
2044	8,169	334	200	0	0	0	0	1,857	0	414	0	0
2045	8,305	333	200	0	0	0	0	1,857	0	434	0	0
2046	8,445	333	200	0	0	0	0	1,857	0	465	0	0
2047	8,587	333	200	0	0	0	0	1,857	0	496	0	0
2048	8,742	333	200	0	0	0	0	1,857	0	533	0	0
2049	8,897	333	200	0	0	0	0	1,857	0	564	0	0
2050	9,055	333	200	0	0	0	0	1,857	0	600	0	0
2051	9,216	333	200	0	0	0	0	1,857	0	635	0	0
2052	9,374	333	200	0	0	0	0	1,797	0	735	0	0
2053	9,536	333	200	0	0	0	0	1,797	0	767	0	0
2054	9,702	333	200	0	0	0	0	1,668	0	932	0	0
2055	9,858	333	200	0	0	0	0	1,378	0	1,258	0	0
2056	10,003	333	200	0	0	0	0	1,217	0	1,457	0	0
2057	10,151	333	200	0	0	0	0	1,668	0	909	126	0
2058	10,303	333	200	0	0	0	0	1,668	0	455	187	427
2059	10,459	333	200	0	0	0	0	1,668	0	227	183	693
2060	10,565	333	200	0	0	0	0	1,668	0	114	179	844

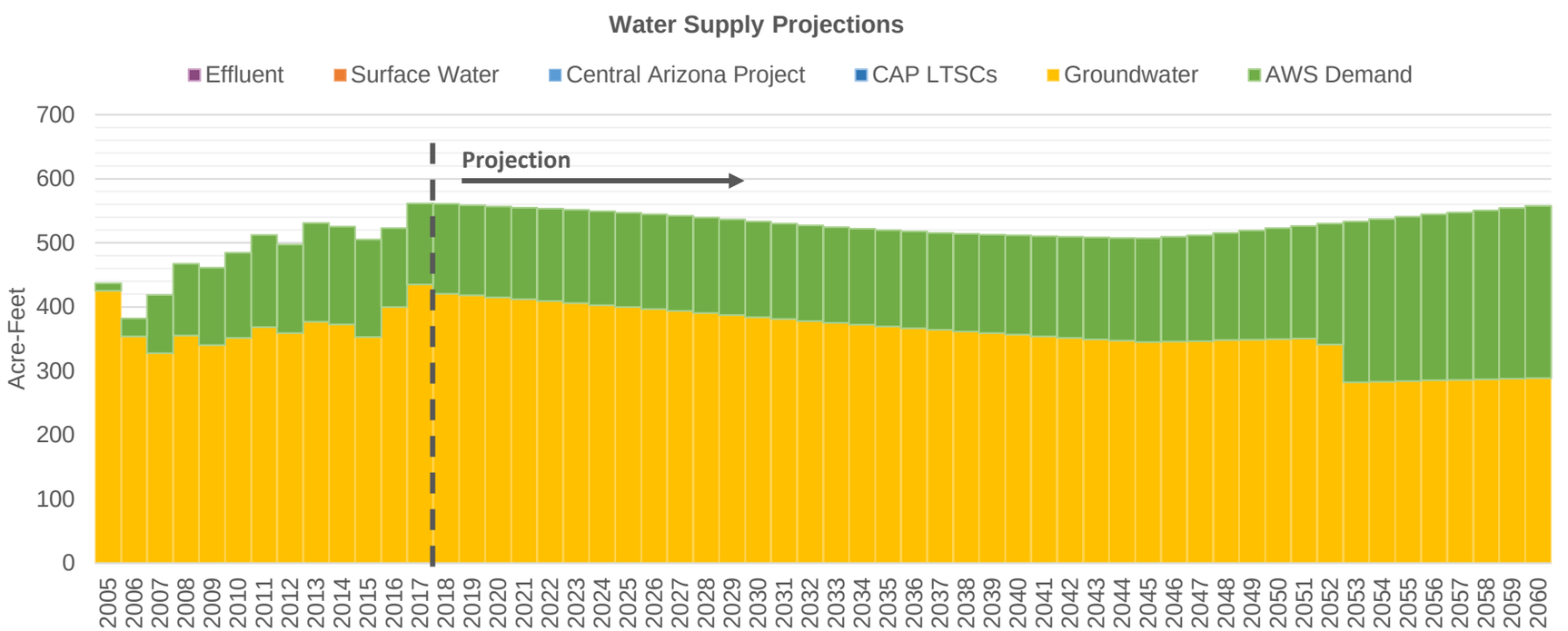
VoyagerWC

Central Arizona Project Service Area Model

C. Rapid, Outward, Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

VoyagerWC

C. Rapid, Outward, Dry Climate [LSCRBS]

7/7/20 6:54 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,549	324	157	0	0	0	0	0	0	0	421	141
2019	1,557	322	157	0	0	0	0	0	0	0	418	141
2020	1,565	319	157	0	0	0	0	0	0	0	415	142
2021	1,574	318	157	0	0	0	0	0	0	0	412	143
2022	1,584	316	157	0	0	0	0	0	0	0	409	144
2023	1,591	314	157	0	0	0	0	0	0	0	406	146
2024	1,596	311	157	0	0	0	0	0	0	0	403	146
2025	1,601	310	157	0	0	0	0	0	0	0	400	147
2026	1,606	309	157	0	0	0	0	0	0	0	397	148
2027	1,610	307	157	0	0	0	0	0	0	0	394	148
2028	1,612	304	157	0	0	0	0	0	0	0	391	149
2029	1,612	303	157	0	0	0	0	0	0	0	387	149
2030	1,612	301	157	0	0	0	0	0	0	0	384	149
2031	1,612	299	157	0	0	0	0	0	0	0	381	149
2032	1,612	297	157	0	0	0	0	0	0	0	378	149
2033	1,617	296	157	0	0	0	0	0	0	0	375	149
2034	1,621	294	157	0	0	0	0	0	0	0	372	150
2035	1,626	292	157	0	0	0	0	0	0	0	369	150
2036	1,630	290	157	0	0	0	0	0	0	0	367	151
2037	1,639	289	157	0	0	0	0	0	0	0	364	152
2038	1,648	287	157	0	0	0	0	0	0	0	362	153
2039	1,657	285	157	0	0	0	0	0	0	0	359	154
2040	1,667	283	157	0	0	0	0	0	0	0	357	155
2041	1,677	282	157	0	0	0	0	0	0	0	354	156
2042	1,687	280	157	0	0	0	0	0	0	0	352	158
2043	1,699	279	157	0	0	0	0	0	0	0	349	159
2044	1,713	276	157	0	0	0	0	0	0	0	347	160
2045	1,726	275	157	0	0	0	0	0	0	0	345	162
2046	1,740	275	157	0	0	0	0	0	0	0	346	164
2047	1,754	275	157	0	0	0	0	0	0	0	346	166
2048	1,779	275	157	0	0	0	0	0	0	0	348	167
2049	1,799	275	157	0	0	0	0	0	0	0	349	170
2050	1,819	275	157	0	0	0	0	0	0	0	350	173
2051	1,839	275	157	0	0	0	0	0	0	0	351	176
2052	1,859	275	157	0	0	0	0	0	0	0	341	189
2053	1,880	275	157	0	0	0	0	0	0	0	282	251
2054	1,901	275	157	0	0	0	0	0	0	0	283	254
2055	1,921	275	157	0	0	0	0	0	0	0	284	256
2056	1,940	275	157	0	0	0	0	0	0	0	285	259
2057	1,959	275	157	0	0	0	0	0	0	0	286	261
2058	1,978	275	157	0	0	0	0	0	0	0	287	264
2059	1,998	275	157	0	0	0	0	0	0	0	288	266
2060	2,012	275	157	0	0	0	0	0	0	0	289	269

CAP:SAM Supply and Demand Projections by Water Provider

Scenario D

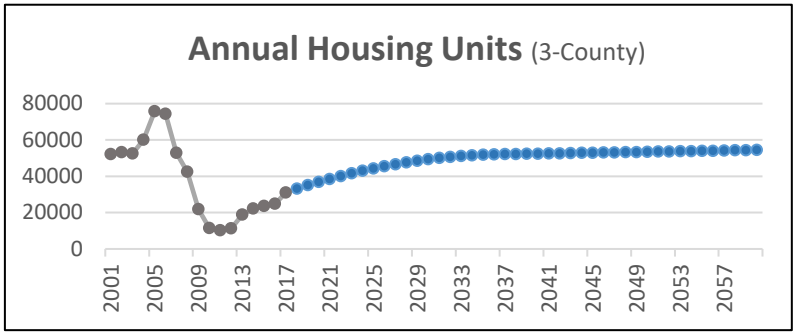
Climate: Worse Case
Growth Rate: Slow
Growth Pattern: Compact
Relative Risk: Low

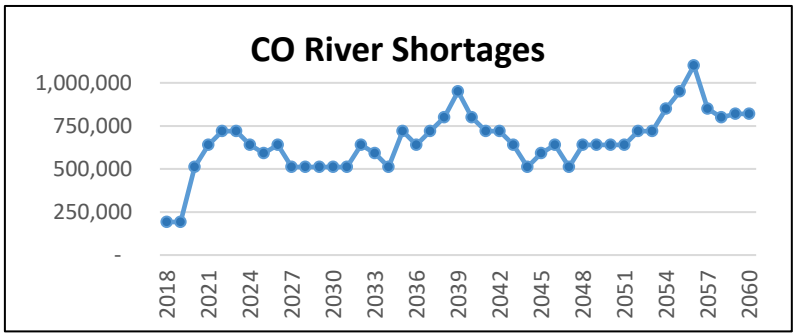
D. Slow, Compact, Very Dry Climate

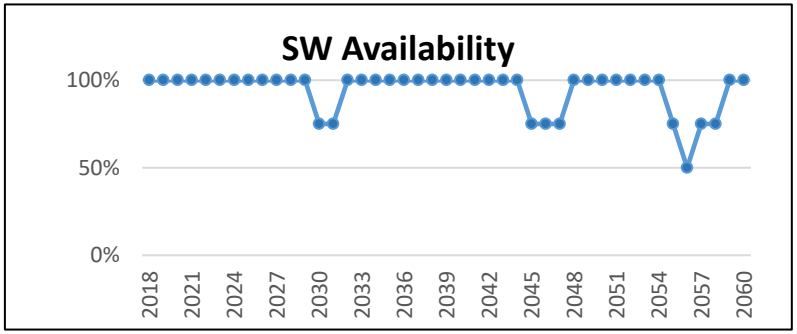
Run Date: 7/13/2020 **Filename:** CAPServiceArea_v3.50_LSCRBS_A(

Growth rate based on Low growth series form AZ Dept. of Administration, and compact growth pattern. "Very Dry" =

Allow Shortages	Yes	
Select CRSS Array	3	*3=Synthetic*
Use Specific Trace	Yes	
Selected Trace	3	*1=Moderate; 2=Deep; 3=Slight*
AWBA Max M&I	20%	
Surface Water Scenario	3	*1=No Reduction; 2=Occational; 3=Frequent*
Use CAP Buildup	Yes	
CAP Buildup Scenario	2	*1=2035; 2=2045*
HU Growth Pattern	5	*1=Baseline*
HU Forecast	2	*1=Use Curve; 2=Eller Forecast*
HU Curve	3	
HU Growth Start Rate	-1%	
HU Ordinary Level	34,000	
HU Rate @ 50 yrs	-3%	
GPHUD Change Existing	-0.4%	*per year*
GPHUD Max Change Existing	-10%	
GPHUD Min Existing	200	
GPHUD Scenario New	1	
GPHUD Change New	0.0%	*per year*
Ag Climate Adjustment	0.2	
Ag Efficiency Increase	0.1%	*per year*
Ag Efficiency Goal	80%	
Ag Replace Crop CU	2.66	
Ag Intensity Scenario	2	
Ag Develop on Crops	50%	*Perecent of max on active Ag*
Ag Acres Replace Percent	0%	
Ag Replace Crop Year	2025	



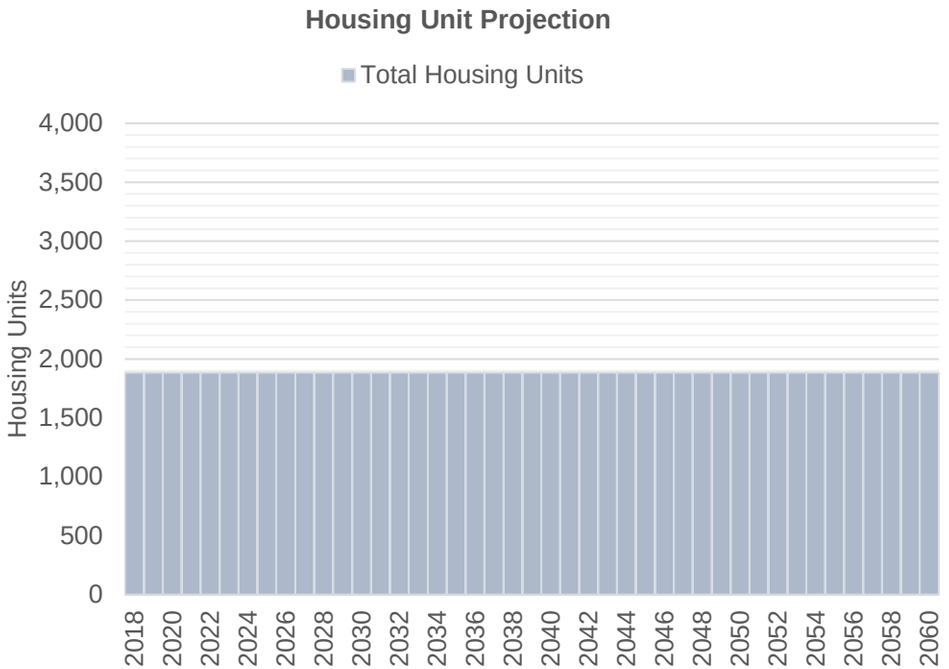


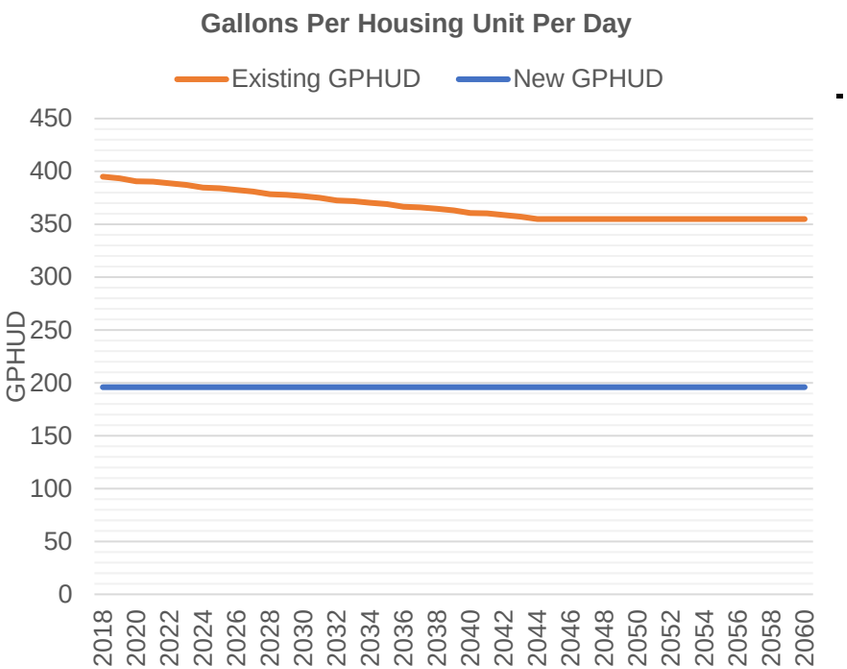


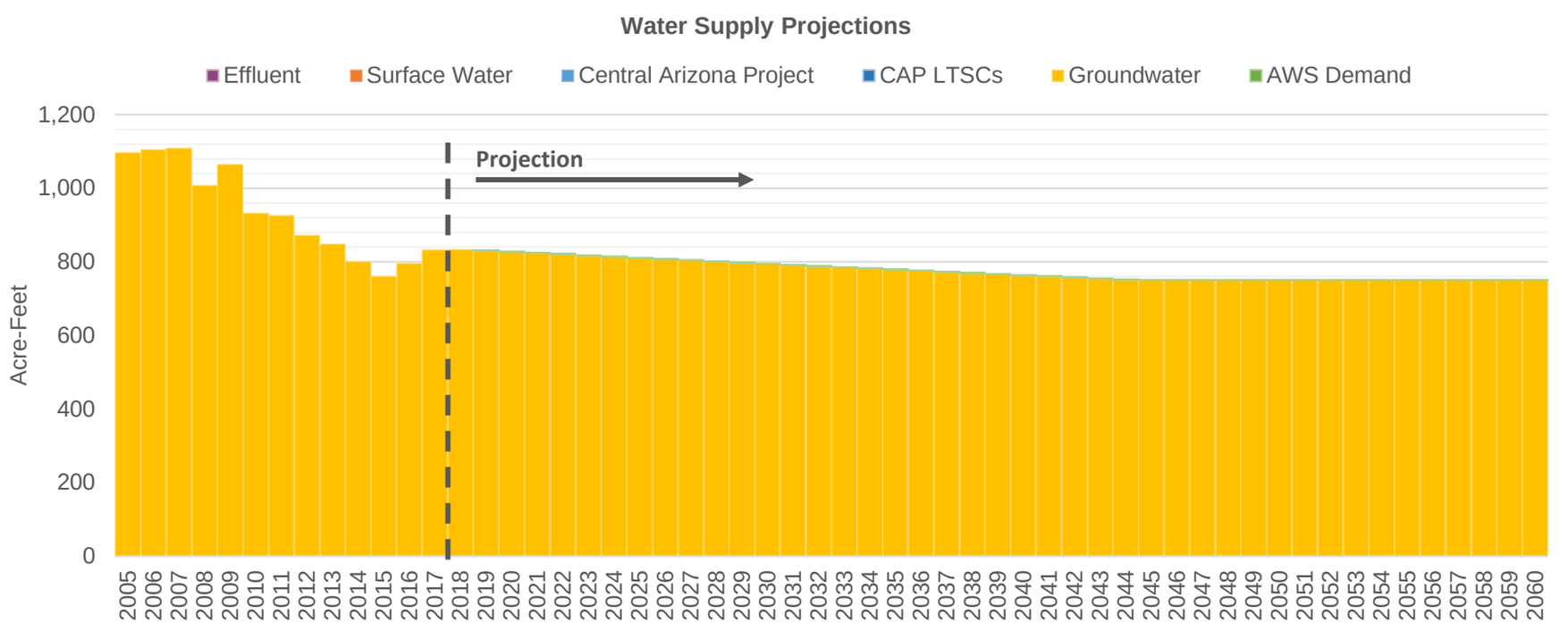
Central Arizona Project Service Area Model

AvraWaterCoop

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

AvraWaterCoop

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

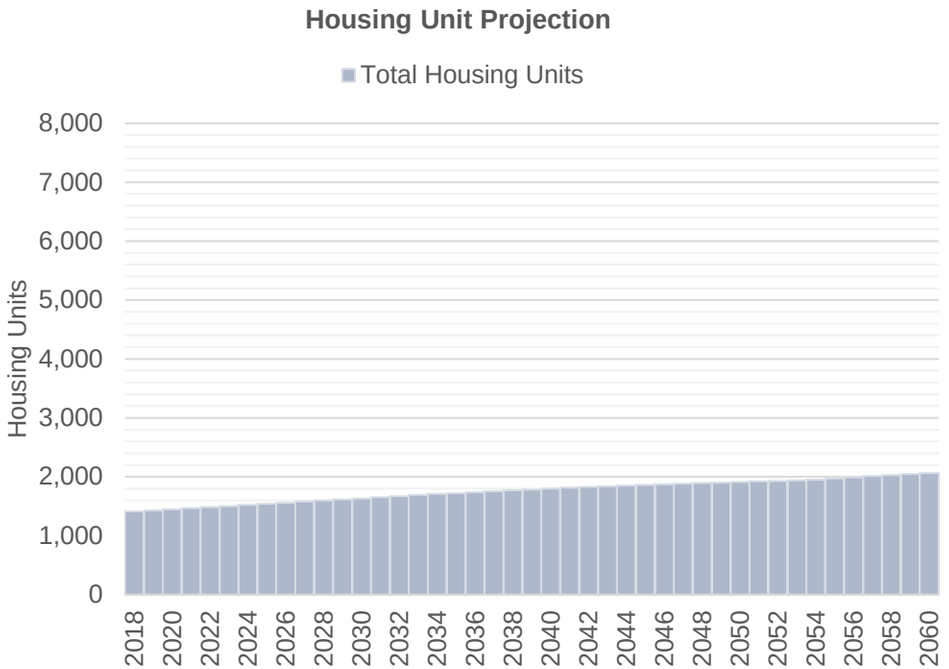
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

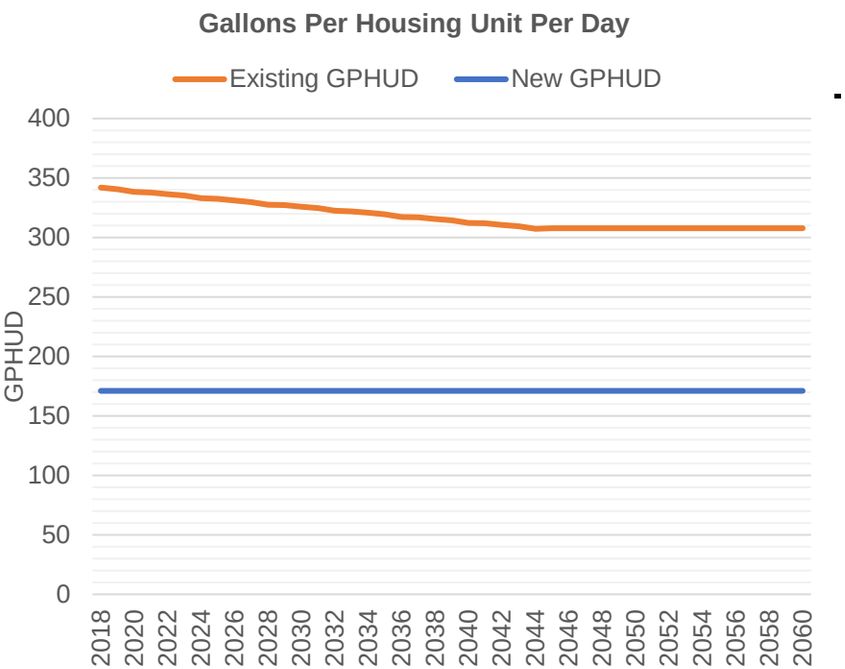
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,885	395	196	0	0	0	0	0	0	0	834	0
2019	1,885	393	196	0	0	0	0	0	0	0	831	0
2020	1,885	391	196	0	0	0	0	0	0	0	827	0
2021	1,885	390	196	0	0	0	0	0	0	0	824	0
2022	1,885	389	196	0	0	0	0	0	0	0	821	0
2023	1,885	387	196	0	0	0	0	0	0	0	817	0
2024	1,885	385	196	0	0	0	0	0	0	0	814	0
2025	1,885	384	196	0	0	0	0	0	0	0	811	0
2026	1,885	383	196	0	0	0	0	0	0	0	808	0
2027	1,885	381	196	0	0	0	0	0	0	0	804	0
2028	1,885	378	196	0	0	0	0	0	0	0	801	0
2029	1,885	378	196	0	0	0	0	0	0	0	798	0
2030	1,885	376	196	0	0	0	0	0	0	0	795	0
2031	1,885	375	196	0	0	0	0	0	0	0	792	0
2032	1,885	372	196	0	0	0	0	0	0	0	789	0
2033	1,885	372	196	0	0	0	0	0	0	0	785	0
2034	1,885	370	196	0	0	0	0	0	0	0	782	0
2035	1,885	369	196	0	0	0	0	0	0	0	779	0
2036	1,885	367	196	0	0	0	0	0	0	0	776	0
2037	1,885	366	196	0	0	0	0	0	0	0	773	0
2038	1,885	365	196	0	0	0	0	0	0	0	770	0
2039	1,885	363	196	0	0	0	0	0	0	0	767	0
2040	1,885	361	196	0	0	0	0	0	0	0	764	0
2041	1,885	360	196	0	0	0	0	0	0	0	761	0
2042	1,885	359	196	0	0	0	0	0	0	0	758	0
2043	1,885	357	196	0	0	0	0	0	0	0	754	0
2044	1,885	355	196	0	0	0	0	0	0	0	751	0
2045	1,885	355	196	0	0	0	0	0	0	0	751	0
2046	1,885	355	196	0	0	0	0	0	0	0	751	0
2047	1,885	355	196	0	0	0	0	0	0	0	751	0
2048	1,885	355	196	0	0	0	0	0	0	0	751	0
2049	1,885	355	196	0	0	0	0	0	0	0	751	0
2050	1,885	355	196	0	0	0	0	0	0	0	751	0
2051	1,885	355	196	0	0	0	0	0	0	0	751	0
2052	1,885	355	196	0	0	0	0	0	0	0	751	0
2053	1,885	355	196	0	0	0	0	0	0	0	751	0
2054	1,885	355	196	0	0	0	0	0	0	0	751	0
2055	1,885	355	196	0	0	0	0	0	0	0	751	0
2056	1,885	355	196	0	0	0	0	0	0	0	751	0
2057	1,885	355	196	0	0	0	0	0	0	0	751	0
2058	1,885	355	196	0	0	0	0	0	0	0	751	0
2059	1,885	355	196	0	0	0	0	0	0	0	751	0
2060	1,885	355	196	0	0	0	0	0	0	0	751	0

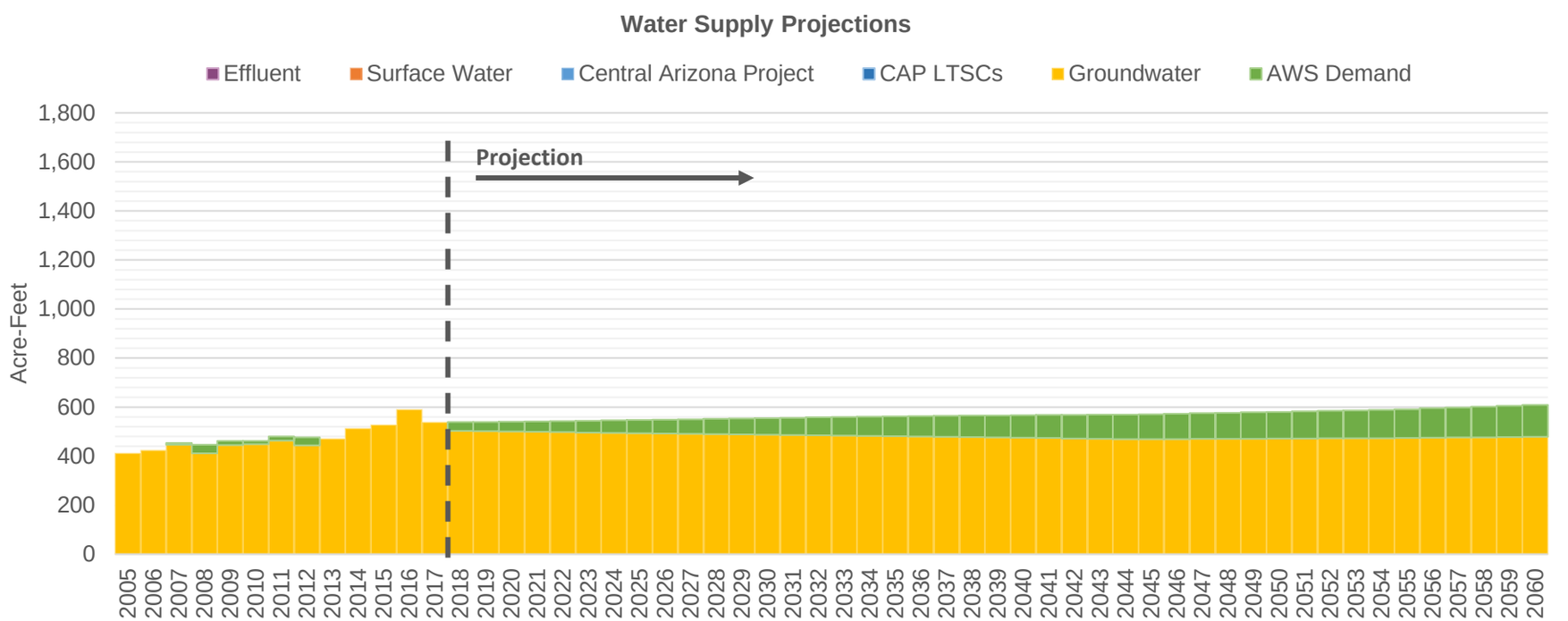
Central Arizona Project Service Area Model

AZWCOracle

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

AZWCOracle

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

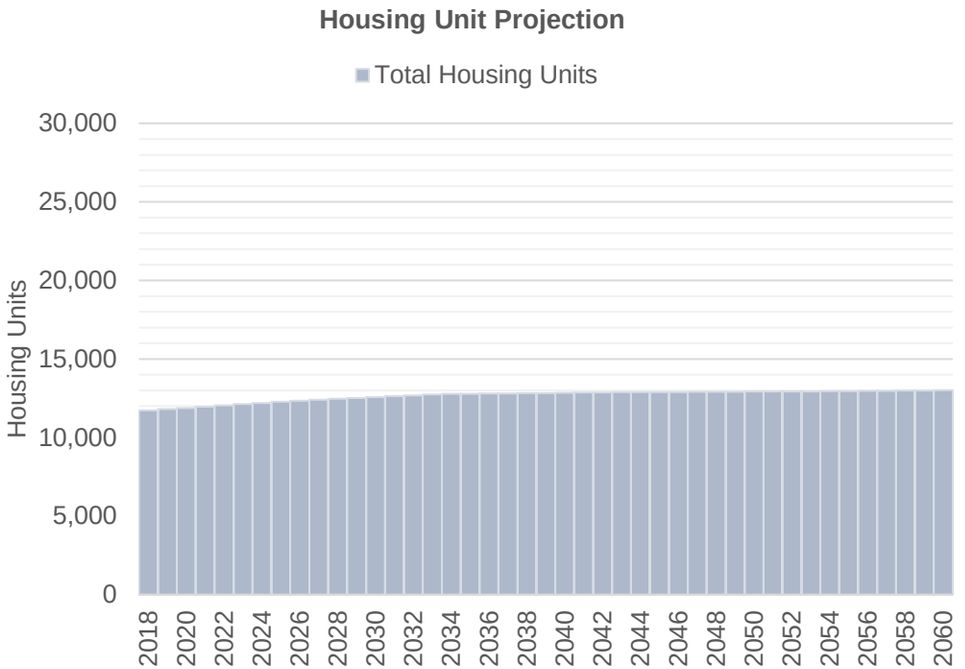
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

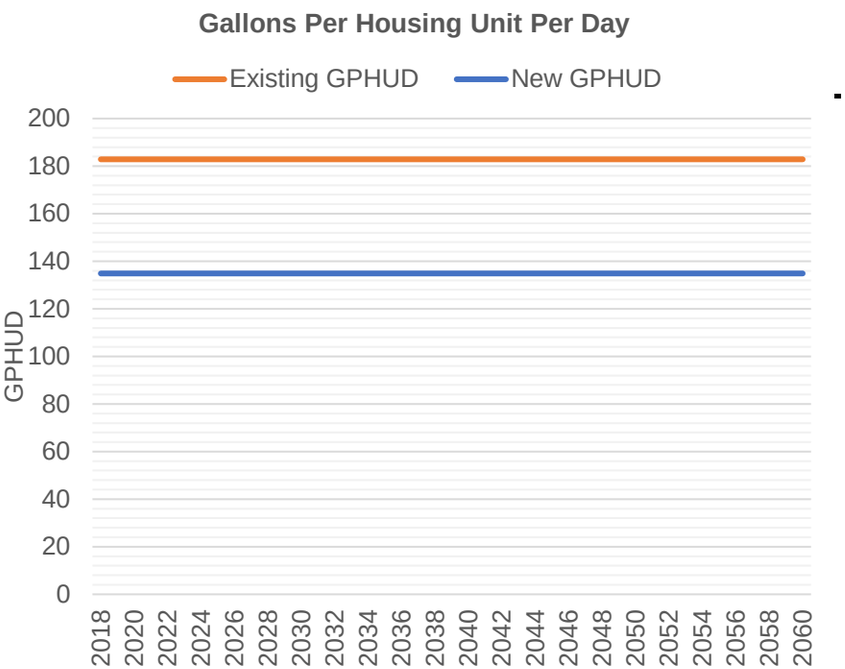
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,412	342	171	0	0	0	0	0	0	0	503	36
2019	1,430	341	171	0	0	0	0	0	0	0	502	37
2020	1,449	338	171	0	0	0	0	0	0	0	501	40
2021	1,467	338	171	0	0	0	0	0	0	0	499	43
2022	1,485	337	171	0	0	0	0	0	0	0	498	45
2023	1,504	335	171	0	0	0	0	0	0	0	496	48
2024	1,523	333	171	0	0	0	0	0	0	0	495	51
2025	1,541	333	171	0	0	0	0	0	0	0	494	54
2026	1,560	331	171	0	0	0	0	0	0	0	493	56
2027	1,579	330	171	0	0	0	0	0	0	0	491	59
2028	1,598	328	171	0	0	0	0	0	0	0	490	62
2029	1,616	327	171	0	0	0	0	0	0	0	489	65
2030	1,634	326	171	0	0	0	0	0	0	0	488	67
2031	1,654	325	171	0	0	0	0	0	0	0	487	70
2032	1,673	322	171	0	0	0	0	0	0	0	485	73
2033	1,691	322	171	0	0	0	0	0	0	0	484	76
2034	1,709	321	171	0	0	0	0	0	0	0	483	78
2035	1,724	319	171	0	0	0	0	0	0	0	481	81
2036	1,740	317	171	0	0	0	0	0	0	0	480	83
2037	1,755	317	171	0	0	0	0	0	0	0	479	85
2038	1,771	316	171	0	0	0	0	0	0	0	478	88
2039	1,786	314	171	0	0	0	0	0	0	0	476	90
2040	1,800	312	171	0	0	0	0	0	0	0	475	92
2041	1,815	312	171	0	0	0	0	0	0	0	474	94
2042	1,829	311	171	0	0	0	0	0	0	0	472	96
2043	1,842	309	171	0	0	0	0	0	0	0	471	98
2044	1,853	307	171	0	0	0	0	0	0	0	469	100
2045	1,863	308	171	0	0	0	0	0	0	0	469	102
2046	1,873	308	171	0	0	0	0	0	0	0	470	103
2047	1,883	308	171	0	0	0	0	0	0	0	470	105
2048	1,893	308	171	0	0	0	0	0	0	0	471	106
2049	1,903	308	171	0	0	0	0	0	0	0	471	108
2050	1,912	308	171	0	0	0	0	0	0	0	471	109
2051	1,922	308	171	0	0	0	0	0	0	0	472	111
2052	1,931	308	171	0	0	0	0	0	0	0	472	112
2053	1,940	308	171	0	0	0	0	0	0	0	473	113
2054	1,953	308	171	0	0	0	0	0	0	0	473	115
2055	1,973	308	171	0	0	0	0	0	0	0	475	117
2056	1,992	308	171	0	0	0	0	0	0	0	476	119
2057	2,011	308	171	0	0	0	0	0	0	0	476	122
2058	2,029	308	171	0	0	0	0	0	0	0	477	125
2059	2,047	308	171	0	0	0	0	0	0	0	478	128
2060	2,064	308	171	0	0	0	0	0	0	0	479	130

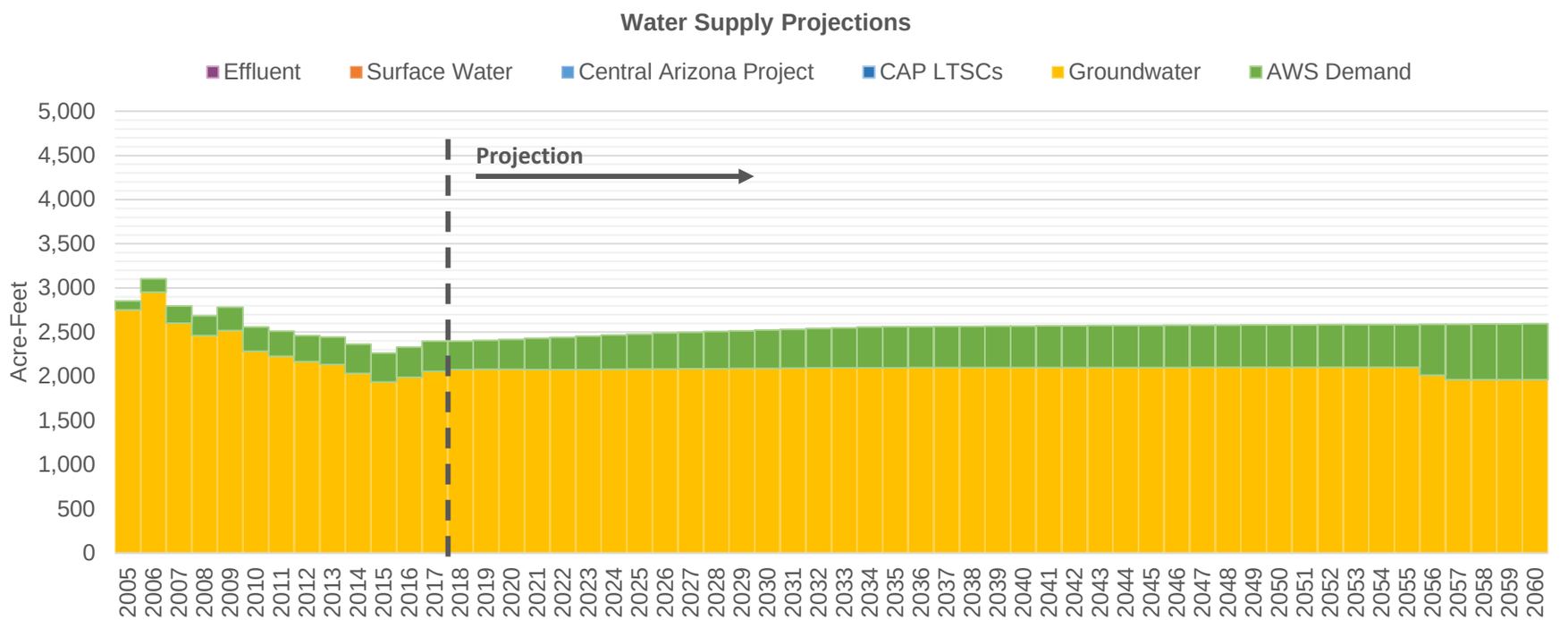
Central Arizona Project Service Area Model

CommWaterGreenVly

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

CommWaterGre

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

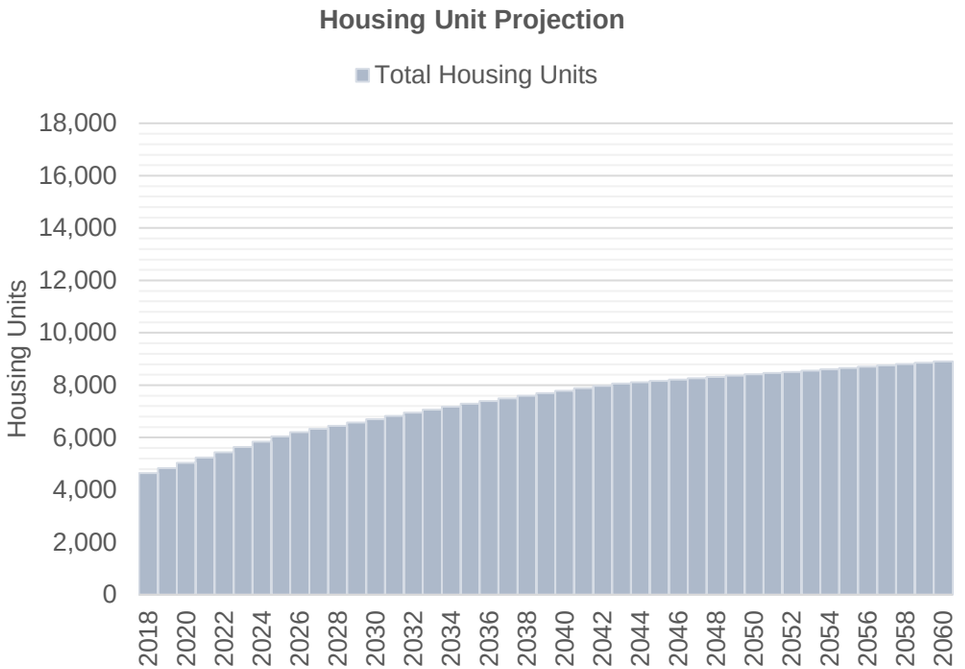
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

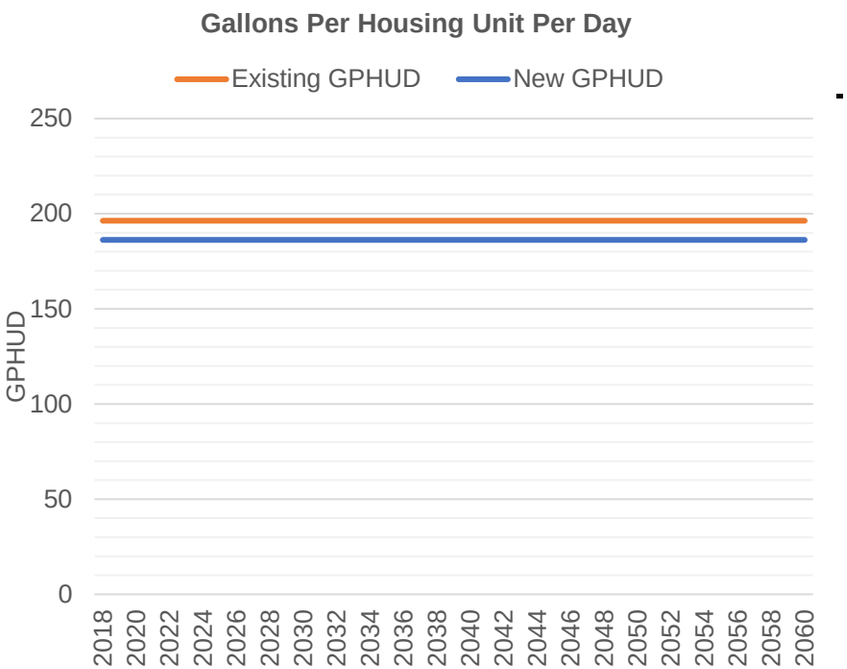
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	11,731	183	135	0	0	0	0	0	0	0	2,077	322
2019	11,809	183	135	0	0	0	0	0	0	0	2,079	328
2020	11,887	183	135	0	0	0	0	0	0	0	2,079	340
2021	11,967	183	135	0	0	0	0	0	0	0	2,078	353
2022	12,046	183	135	0	0	0	0	0	0	0	2,077	366
2023	12,126	183	135	0	0	0	0	0	0	0	2,077	378
2024	12,207	183	135	0	0	0	0	0	0	0	2,080	387
2025	12,287	183	135	0	0	0	0	0	0	0	2,082	397
2026	12,352	183	135	0	0	0	0	0	0	0	2,083	407
2027	12,409	183	135	0	0	0	0	0	0	0	2,085	414
2028	12,464	183	135	0	0	0	0	0	0	0	2,087	421
2029	12,519	183	135	0	0	0	0	0	0	0	2,089	427
2030	12,573	183	135	0	0	0	0	0	0	0	2,091	433
2031	12,630	183	135	0	0	0	0	0	0	0	2,093	439
2032	12,686	183	135	0	0	0	0	0	0	0	2,096	446
2033	12,741	183	135	0	0	0	0	0	0	0	2,097	452
2034	12,779	183	135	0	0	0	0	0	0	0	2,098	459
2035	12,791	183	135	0	0	0	0	0	0	0	2,098	463
2036	12,803	183	135	0	0	0	0	0	0	0	2,098	464
2037	12,815	183	135	0	0	0	0	0	0	0	2,098	466
2038	12,827	183	135	0	0	0	0	0	0	0	2,099	467
2039	12,838	183	135	0	0	0	0	0	0	0	2,099	468
2040	12,850	183	135	0	0	0	0	0	0	0	2,100	470
2041	12,861	183	135	0	0	0	0	0	0	0	2,100	471
2042	12,872	183	135	0	0	0	0	0	0	0	2,101	472
2043	12,882	183	135	0	0	0	0	0	0	0	2,101	473
2044	12,888	183	135	0	0	0	0	0	0	0	2,101	475
2045	12,895	183	135	0	0	0	0	0	0	0	2,101	475
2046	12,901	183	135	0	0	0	0	0	0	0	2,101	476
2047	12,908	183	135	0	0	0	0	0	0	0	2,102	477
2048	12,914	183	135	0	0	0	0	0	0	0	2,102	477
2049	12,920	183	135	0	0	0	0	0	0	0	2,102	478
2050	12,926	183	135	0	0	0	0	0	0	0	2,102	479
2051	12,932	183	135	0	0	0	0	0	0	0	2,103	480
2052	12,938	183	135	0	0	0	0	0	0	0	2,103	480
2053	12,943	183	135	0	0	0	0	0	0	0	2,103	481
2054	12,951	183	135	0	0	0	0	0	0	0	2,103	481
2055	12,962	183	135	0	0	0	0	0	0	0	2,104	482
2056	12,973	183	135	0	0	0	0	0	0	0	2,013	575
2057	12,984	183	135	0	0	0	0	0	0	0	1,962	628
2058	12,994	183	135	0	0	0	0	0	0	0	1,962	629
2059	13,004	183	135	0	0	0	0	0	0	0	1,963	630
2060	13,014	183	135	0	0	0	0	0	0	0	1,963	631

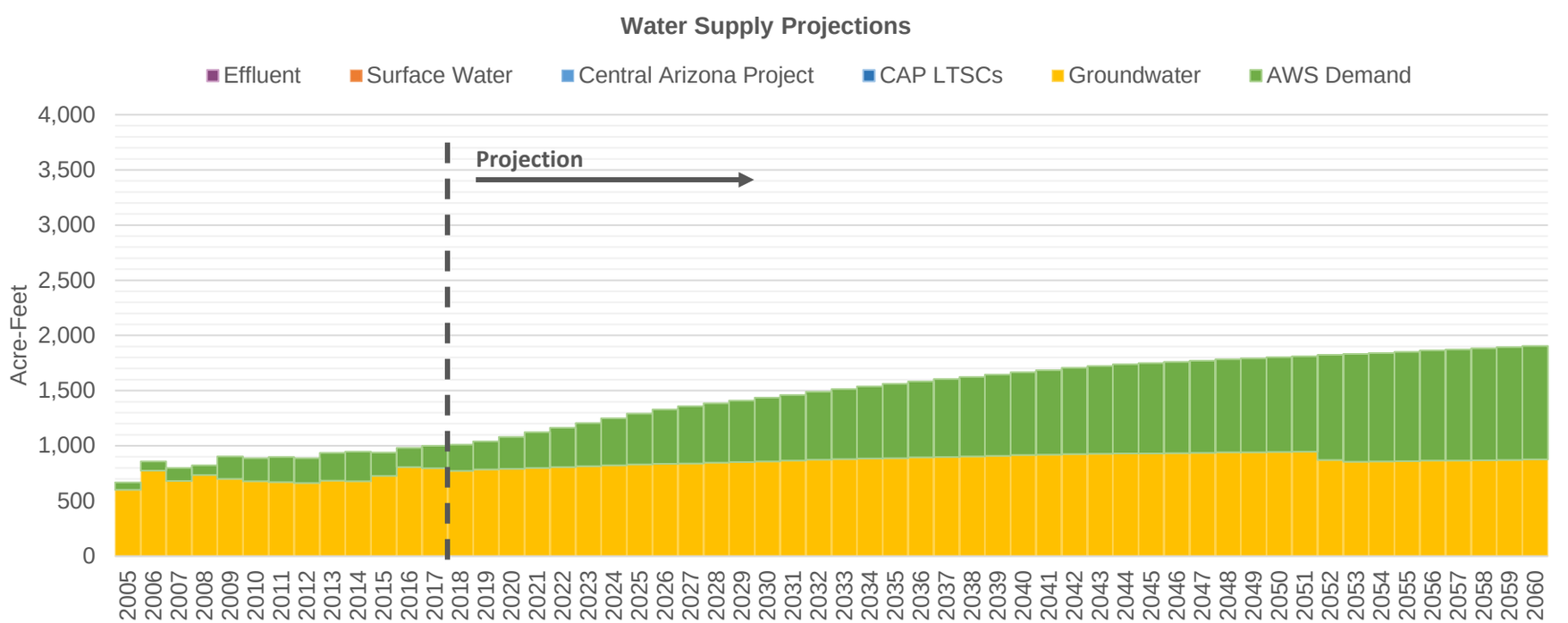
FarmersWC

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

FarmersWC

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

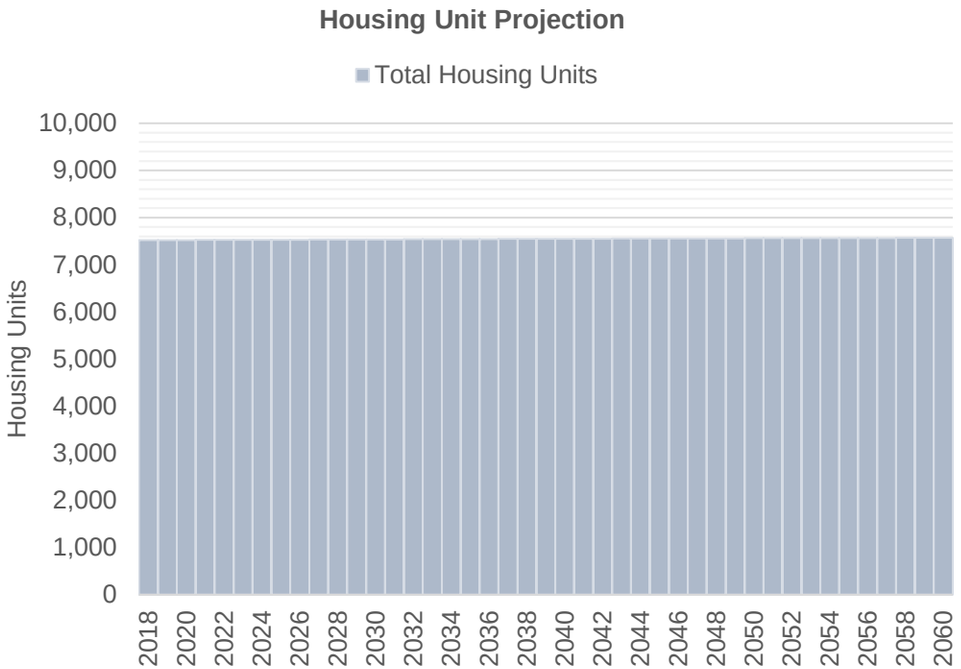
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

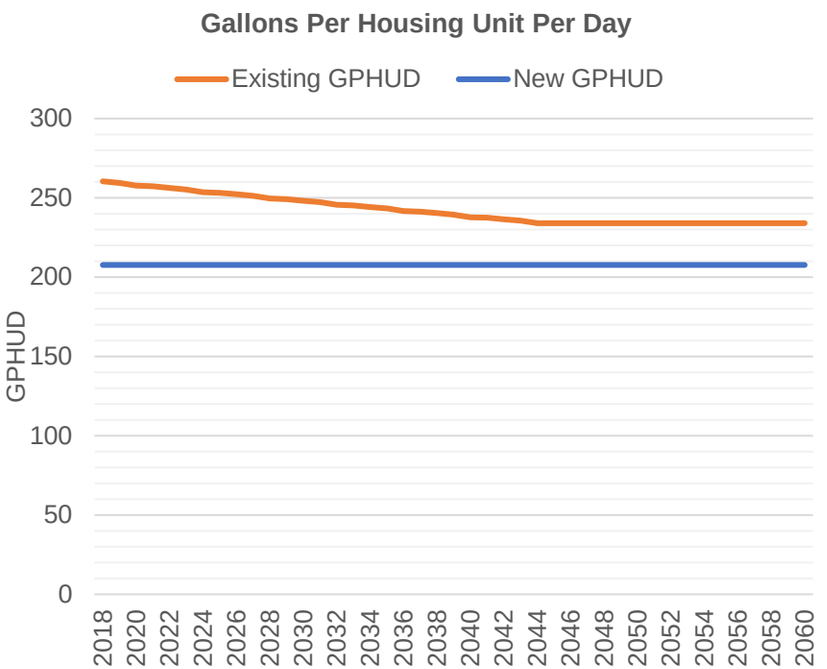
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,639	196	186	0	0	0	0	0	0	0	772	238
2019	4,836	196	186	0	0	0	0	0	0	0	786	254
2020	5,035	196	186	0	0	0	0	0	0	0	792	289
2021	5,236	196	186	0	0	0	0	0	0	0	799	324
2022	5,438	196	186	0	0	0	0	0	0	0	807	358
2023	5,641	196	186	0	0	0	0	0	0	0	815	392
2024	5,844	196	186	0	0	0	0	0	0	0	824	426
2025	6,049	196	186	0	0	0	0	0	0	0	832	460
2026	6,203	196	186	0	0	0	0	0	0	0	836	493
2027	6,329	196	186	0	0	0	0	0	0	0	841	518
2028	6,453	196	186	0	0	0	0	0	0	0	848	538
2029	6,575	196	186	0	0	0	0	0	0	0	853	557
2030	6,696	196	186	0	0	0	0	0	0	0	859	577
2031	6,822	196	186	0	0	0	0	0	0	0	866	595
2032	6.947	196	186	0	0	0	0	0	0	0	874	615
2033	7,070	196	186	0	0	0	0	0	0	0	879	635
2034	7,185	196	186	0	0	0	0	0	0	0	884	654
2035	7,289	196	186	0	0	0	0	0	0	0	889	672
2036	7,392	196	186	0	0	0	0	0	0	0	896	688
2037	7,493	196	186	0	0	0	0	0	0	0	899	705
2038	7,592	196	186	0	0	0	0	0	0	0	904	720
2039	7,691	196	186	0	0	0	0	0	0	0	909	736
2040	7,788	196	186	0	0	0	0	0	0	0	916	752
2041	7,884	196	186	0	0	0	0	0	0	0	919	767
2042	7,978	196	186	0	0	0	0	0	0	0	924	782
2043	8,058	196	186	0	0	0	0	0	0	0	927	797
2044	8,112	196	186	0	0	0	0	0	0	0	931	809
2045	8,165	196	186	0	0	0	0	0	0	0	931	818
2046	8,217	196	186	0	0	0	0	0	0	0	934	826
2047	8,268	196	186	0	0	0	0	0	0	0	937	834
2048	8,318	196	186	0	0	0	0	0	0	0	941	842
2049	8,367	196	186	0	0	0	0	0	0	0	942	850
2050	8,416	196	186	0	0	0	0	0	0	0	944	858
2051	8,463	196	186	0	0	0	0	0	0	0	947	865
2052	8,510	196	186	0	0	0	0	0	0	0	871	953
2053	8,555	196	186	0	0	0	0	0	0	0	855	976
2054	8,603	196	186	0	0	0	0	0	0	0	858	983
2055	8,656	196	186	0	0	0	0	0	0	0	861	991
2056	8,707	196	186	0	0	0	0	0	0	0	866	999
2057	8,758	196	186	0	0	0	0	0	0	0	867	1,006
2058	8,807	196	186	0	0	0	0	0	0	0	870	1,014
2059	8,855	196	186	0	0	0	0	0	0	0	872	1,021
2060	8,902	196	186	0	0	0	0	0	0	0	878	1,029

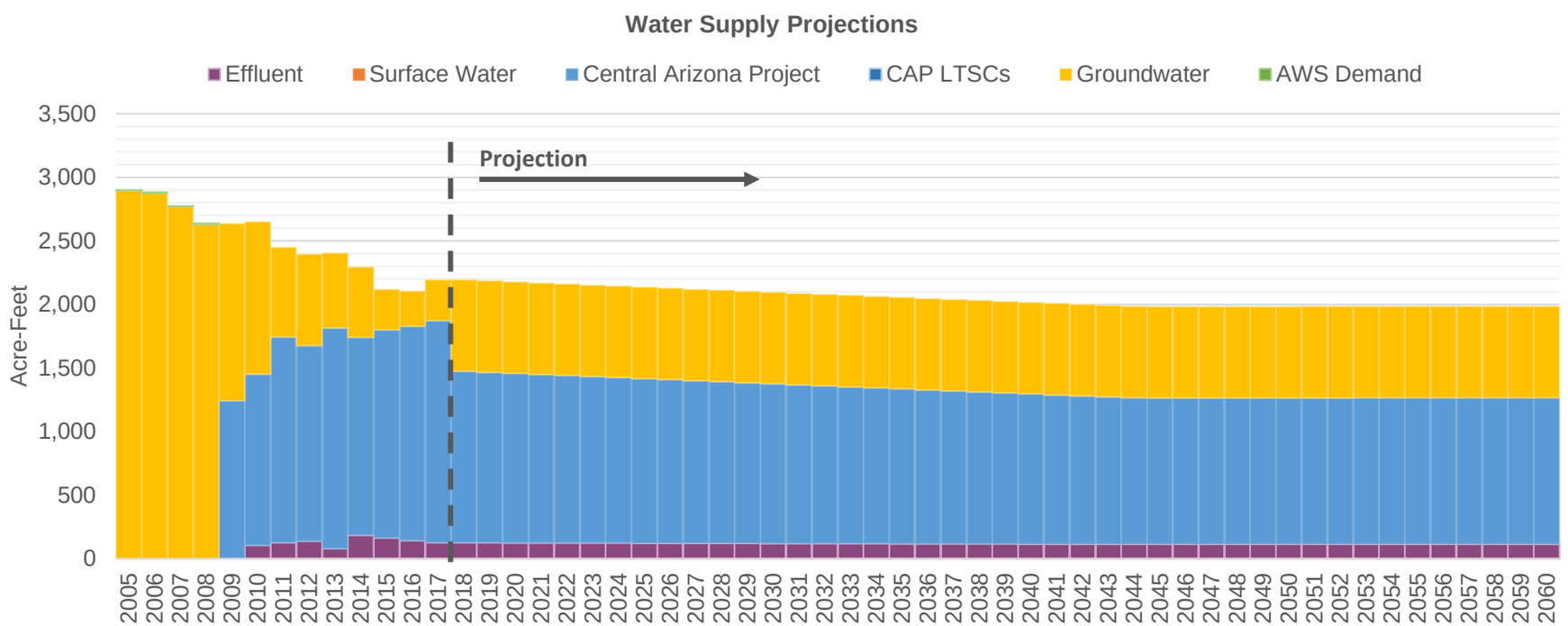
Central Arizona Project Service Area Model

FWID

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

FWID

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

Demand Assumptions

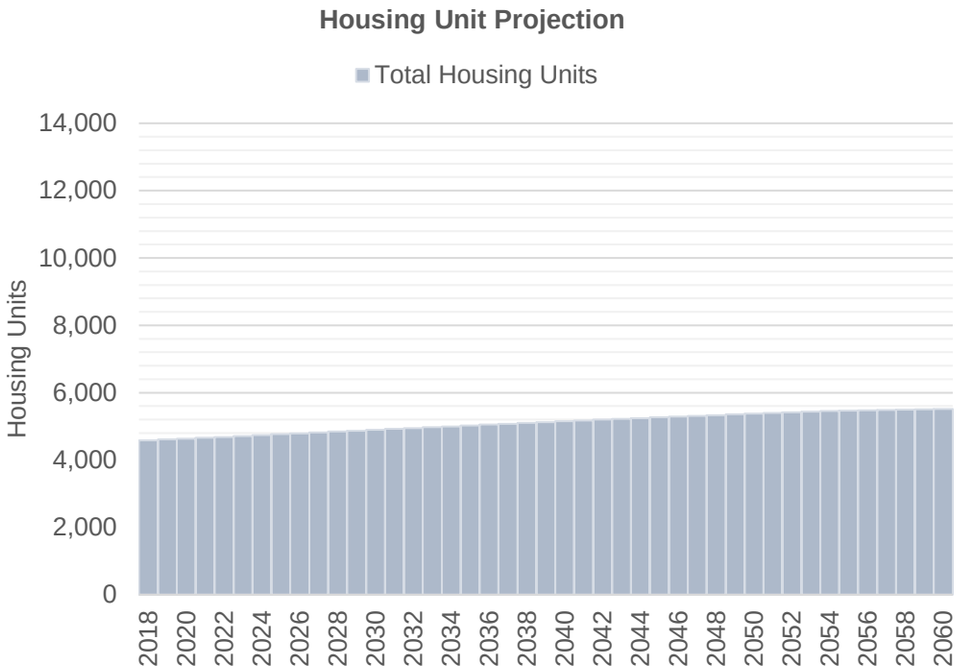
Water Supply Projections (Acre-Feet)

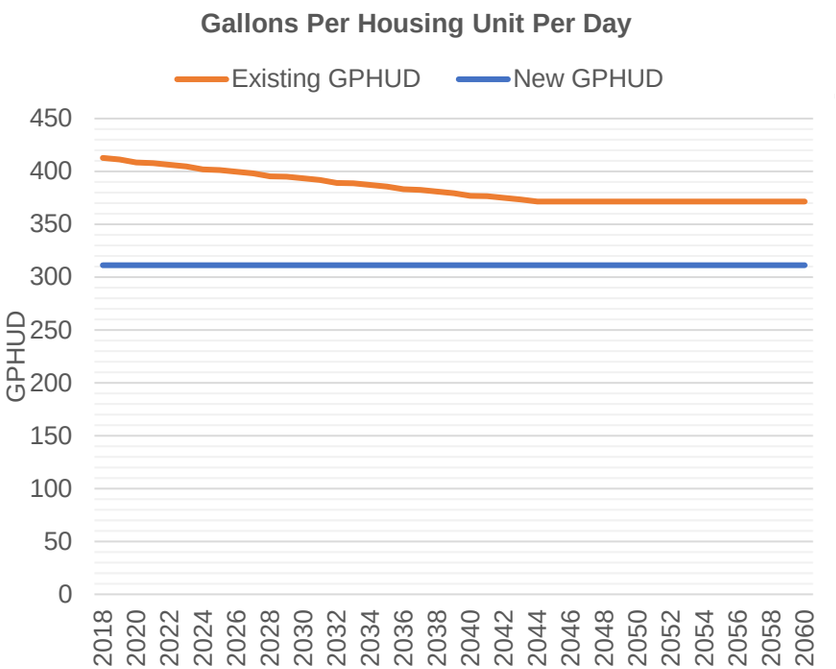
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	7,522	260	208	125	0	0	0	1,350	1,523	0	719	0
2019	7,523	259	208	125	0	0	0	1,341	1,532	0	719	0
2020	7,524	258	208	125	0	0	0	1,333	1,540	0	719	0
2021	7,526	257	208	124	0	0	0	1,325	1,548	0	719	0
2022	7,527	256	208	124	0	0	0	1,318	1,555	0	719	0
2023	7,528	255	208	123	0	0	0	1,310	1,563	0	719	0
2024	7,530	254	208	123	0	0	0	1,302	1,571	0	719	0
2025	7,531	253	208	122	0	0	0	1,294	1,579	0	719	0
2026	7,532	252	208	122	0	0	0	1,286	1,587	0	719	0
2027	7,534	251	208	121	0	0	0	1,279	1,594	0	719	0
2028	7,535	250	208	121	0	0	0	1,271	1,602	0	719	0
2029	7,536	249	208	120	0	0	0	1,263	1,610	0	719	0
2030	7,537	248	208	120	0	0	0	1,255	1,618	0	719	0
2031	7,539	247	208	119	0	0	0	1,248	1,625	0	719	0
2032	7,540	246	208	119	0	0	0	1,240	1,633	0	719	0
2033	7,542	245	208	118	0	0	0	1,233	1,640	0	719	0
2034	7,543	244	208	118	0	0	0	1,225	1,648	0	719	0
2035	7,544	243	208	118	0	0	0	1,218	1,655	0	719	0
2036	7,545	242	208	117	0	0	0	1,210	1,663	0	719	0
2037	7,547	241	208	117	0	0	0	1,203	1,670	0	719	0
2038	7,548	240	208	116	0	0	0	1,196	1,481	0	719	0
2039	7,549	239	208	116	0	0	0	1,188	1,035	0	719	0
2040	7,550	238	208	115	0	0	0	1,181	1,447	0	719	0
2041	7,551	237	208	115	0	0	0	1,174	1,655	0	719	0
2042	7,552	237	208	114	0	0	0	1,167	1,636	0	719	0
2043	7,554	236	208	114	0	0	0	1,159	1,714	0	719	0
2044	7,555	234	208	113	0	0	0	1,152	1,721	0	719	0
2045	7,556	234	208	113	0	0	0	1,150	1,723	0	719	0
2046	7,557	234	208	113	0	0	0	1,151	1,630	0	719	0
2047	7,558	234	208	113	0	0	0	1,151	1,722	0	719	0
2048	7,559	234	208	113	0	0	0	1,151	1,629	0	719	0
2049	7,560	234	208	113	0	0	0	1,151	1,629	0	719	0
2050	7,561	234	208	113	0	0	0	1,151	1,629	0	719	0
2051	7,562	234	208	113	0	0	0	1,152	1,628	0	719	0
2052	7,563	234	208	113	0	0	0	1,152	1,429	0	719	0
2053	7,564	234	208	113	0	0	0	1,152	1,429	0	719	0
2054	7,564	234	208	113	0	0	0	1,152	1,105	0	719	0
2055	7,565	234	208	113	0	0	0	1,152	855	0	719	0
2056	7,566	234	208	113	0	0	0	1,153	481	0	719	0
2057	7,567	234	208	113	0	0	0	1,153	1,104	0	719	0
2058	7,568	234	208	113	0	0	0	1,153	1,228	0	719	0
2059	7,569	234	208	113	0	0	0	1,153	1,178	0	719	0
2060	7,569	234	208	113	0	0	0	1,153	1,178	0	719	0

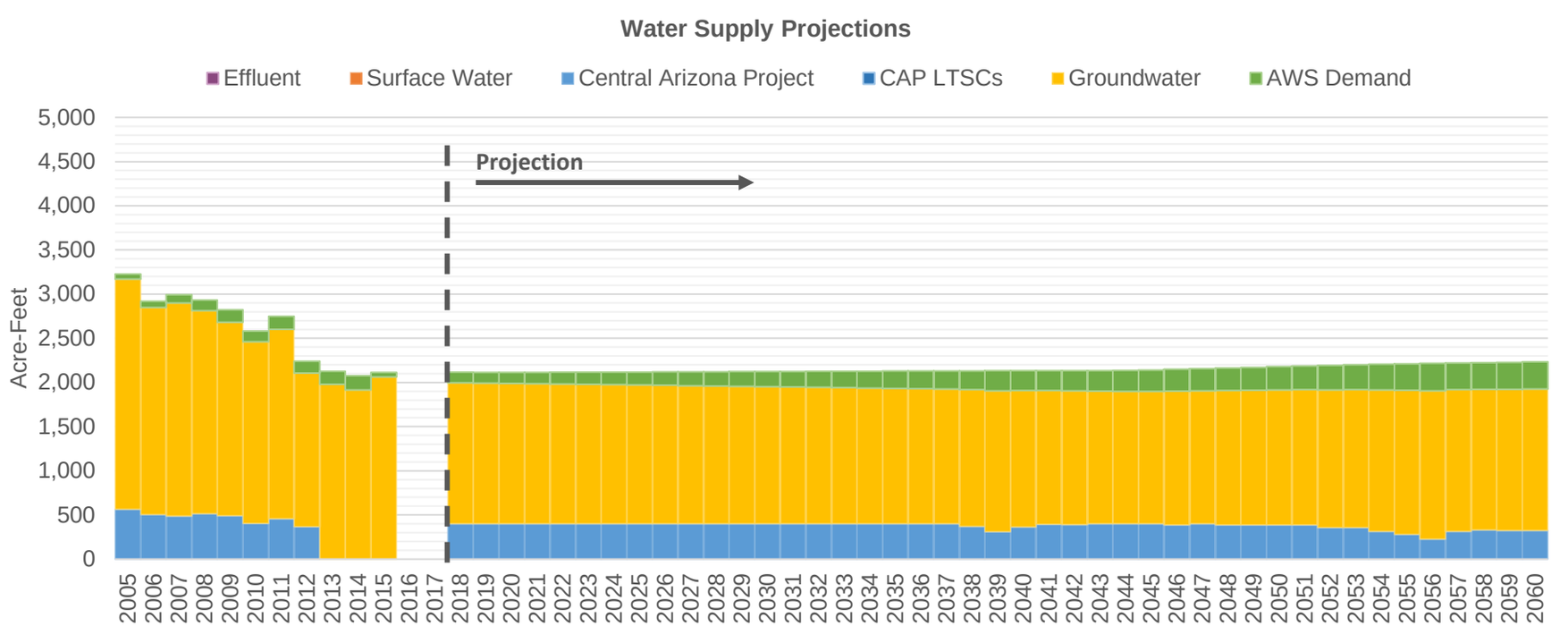
Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate

GVDWID







Central Arizona Project Service Area Model

GVDWID

D. Slow, Compact, Very Dry Climate

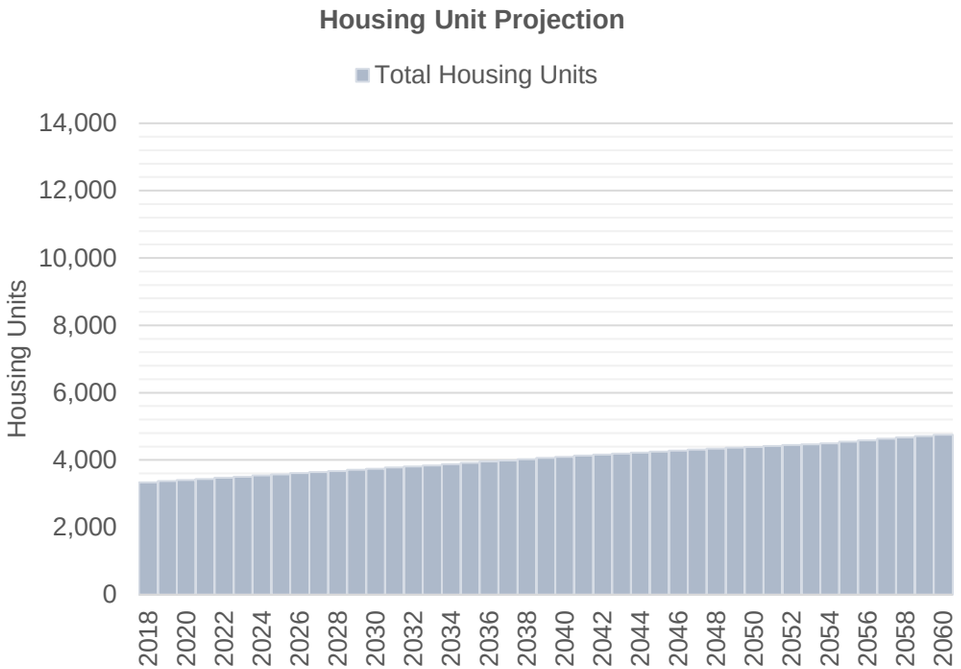
7/13/20 12:06 PM

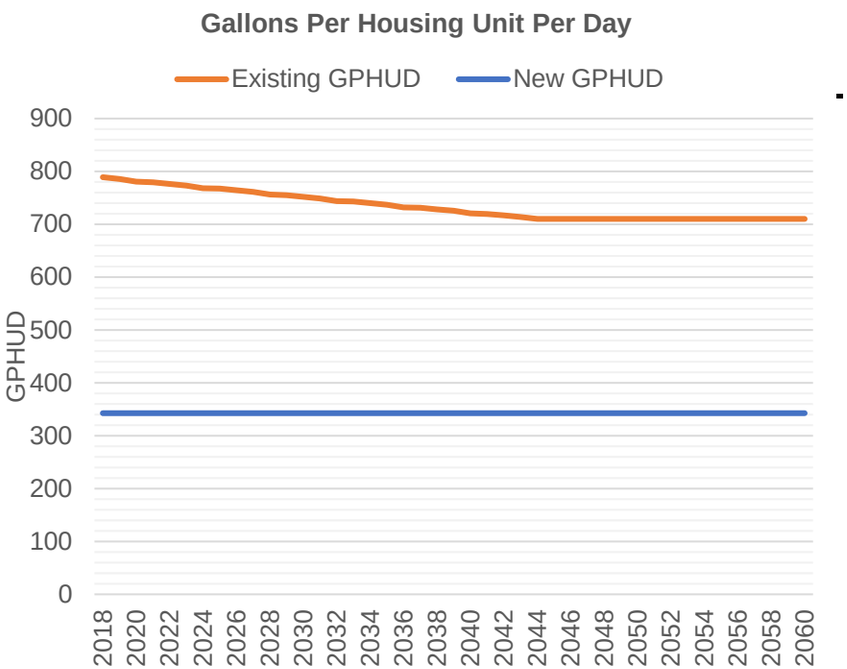
Date	Demand Assumptions: Housing Units	GPHUD		Water Supply Projections (Acre-Feet): Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,583	413	311	0	0	0	399	0	0	0	1,598	119
2019	4,609	411	311	0	0	0	399	0	0	0	1,594	121
2020	4,634	408	311	0	0	0	399	0	0	0	1,590	125
2021	4,660	408	311	0	0	0	399	0	0	0	1,587	129
2022	4,686	406	311	0	0	0	399	0	0	0	1,583	133
2023	4,712	405	311	0	0	0	399	0	0	0	1,580	137
2024	4,739	402	311	0	0	0	399	0	0	0	1,577	142
2025	4,765	401	311	0	0	0	399	0	0	0	1,573	147
2026	4,791	400	311	0	0	0	399	0	0	0	1,569	151
2027	4,818	398	311	0	0	0	399	0	0	0	1,565	156
2028	4,844	395	311	0	0	0	399	0	0	0	1,562	161
2029	4,870	395	311	0	0	0	399	0	0	0	1,557	166
2030	4,895	393	311	0	0	0	399	0	0	0	1,553	171
2031	4,922	392	311	0	0	0	399	0	0	0	1,550	175
2032	4.948	389	311	0	0	0	399	0	0	0	1.546	180
2033	4,974	389	311	0	0	0	399	0	0	0	1,542	185
2034	5,000	387	311	0	0	0	399	0	0	0	1,538	190
2035	5,026	386	311	0	0	0	399	0	0	0	1,535	195
2036	5,051	383	311	0	0	0	399	0	0	0	1,531	200
2037	5,076	383	311	0	0	0	399	0	0	0	1,527	204
2038	5,101	381	311	0	0	0	372	0	0	0	1,547	212
2039	5,126	379	311	0	0	0	309	0	0	0	1,599	225
2040	5,150	377	311	0	0	0	365	0	0	0	1,546	223
2041	5,173	376	311	0	0	0	393	0	0	0	1,517	224
2042	5,197	375	311	0	0	0	389	0	0	0	1,516	228
2043	5,220	373	311	0	0	0	399	0	0	0	1,504	232
2044	5,243	372	311	0	0	0	399	0	0	0	1,501	236
2045	5,266	372	311	0	0	0	399	0	0	0	1,501	240
2046	5,289	372	311	0	0	0	386	0	0	0	1,516	247
2047	5,311	372	311	0	0	0	399	0	0	0	1,508	249
2048	5,333	372	311	0	0	0	386	0	0	0	1,523	255
2049	5,354	372	311	0	0	0	386	0	0	0	1,526	260
2050	5,376	372	311	0	0	0	386	0	0	0	1,529	264
2051	5,396	372	311	0	0	0	386	0	0	0	1,532	268
2052	5,416	372	311	0	0	0	358	0	0	0	1,559	277
2053	5,436	372	311	0	0	0	358	0	0	0	1,561	281
2054	5,453	372	311	0	0	0	313	0	0	0	1,601	292
2055	5,465	372	311	0	0	0	279	0	0	0	1,632	301
2056	5,476	372	311	0	0	0	227	0	0	0	1,678	312
2057	5,487	372	311	0	0	0	313	0	0	0	1,606	300
2058	5,499	372	311	0	0	0	331	0	0	0	1,593	300
2059	5,509	372	311	0	0	0	324	0	0	0	1,600	304
2060	5,520	372	311	0	0	0	324	0	0	0	1,602	306

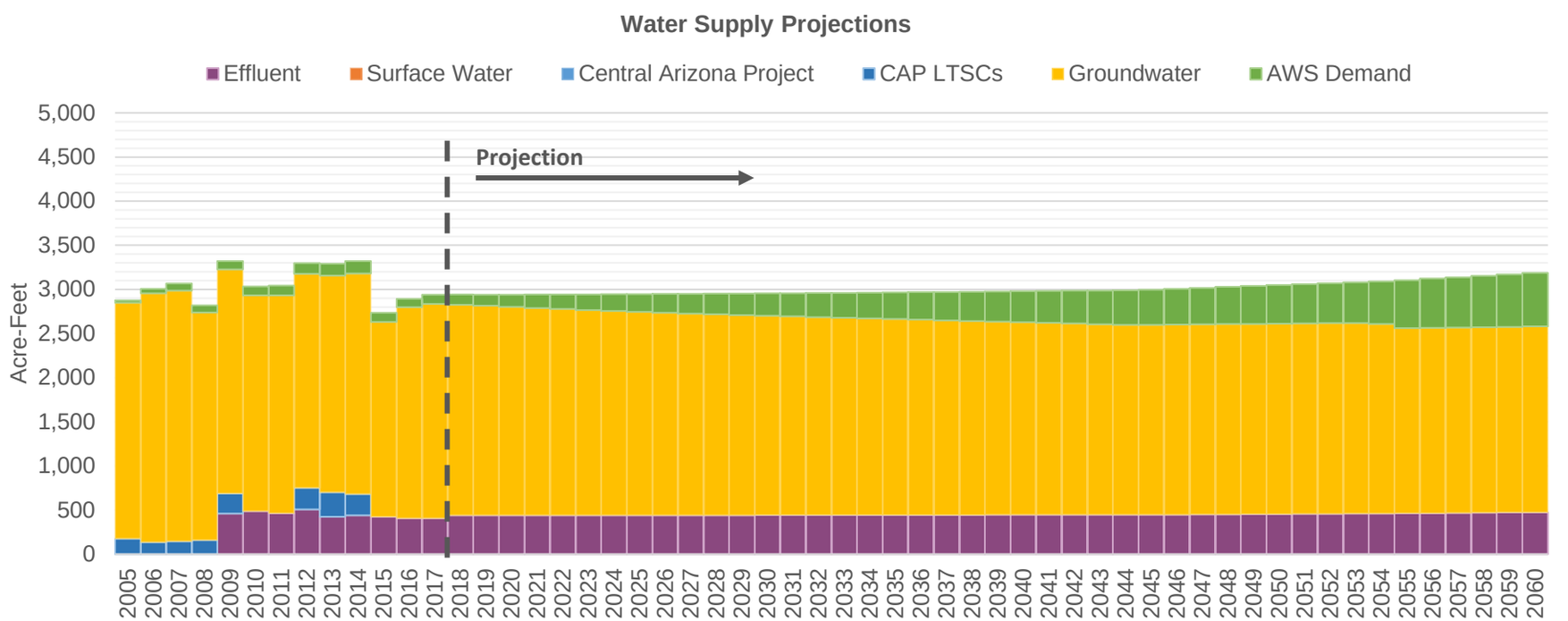
LagoDelOro

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

LagoDelOro

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

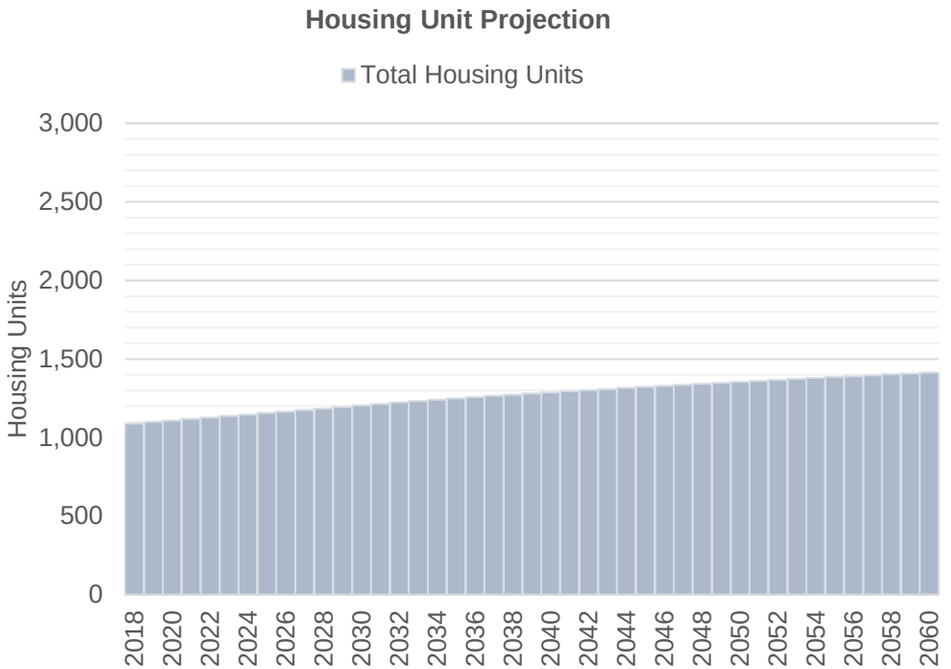
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

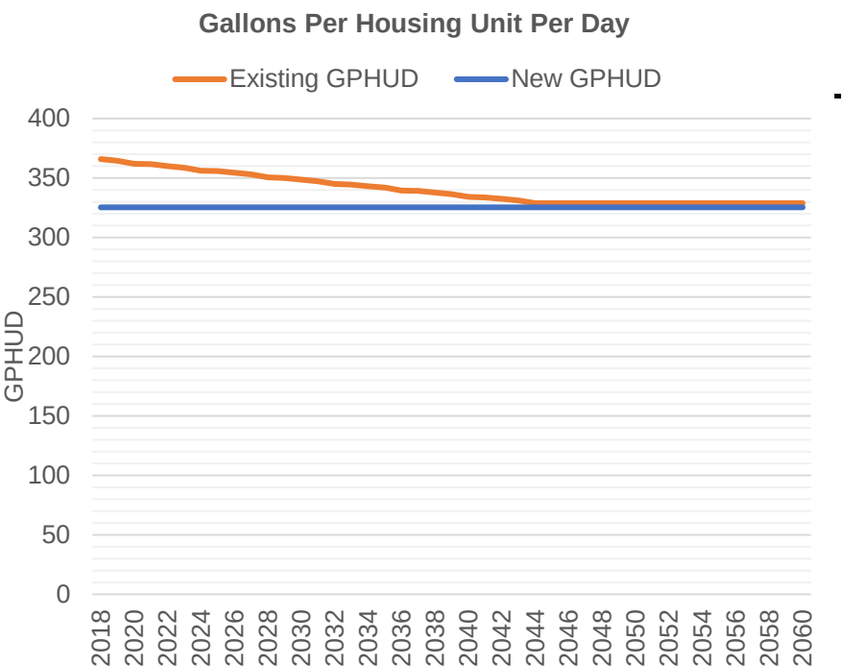
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,341	789	343	441	0	0	0	0	0	0	2,386	116
2019	3,373	786	343	441	0	0	0	0	0	0	2,376	123
2020	3,406	781	343	441	0	0	0	0	0	0	2,363	137
2021	3,439	780	343	441	0	0	0	0	0	0	2,349	152
2022	3,473	777	343	441	0	0	0	0	0	0	2,337	165
2023	3,506	773	343	441	0	0	0	0	0	0	2,325	178
2024	3,540	768	343	441	0	0	0	0	0	0	2,314	190
2025	3,574	767	343	441	0	0	0	0	0	0	2,303	203
2026	3,607	764	343	442	0	0	0	0	0	0	2,293	214
2027	3,641	761	343	442	0	0	0	0	0	0	2,284	224
2028	3,675	756	343	442	0	0	0	0	0	0	2,276	234
2029	3,708	755	343	442	0	0	0	0	0	0	2,267	244
2030	3,741	752	343	443	0	0	0	0	0	0	2,259	253
2031	3,775	749	343	443	0	0	0	0	0	0	2,251	263
2032	3,808	744	343	443	0	0	0	0	0	0	2,244	272
2033	3,842	743	343	443	0	0	0	0	0	0	2,236	281
2034	3,877	740	343	444	0	0	0	0	0	0	2,228	291
2035	3,914	737	343	444	0	0	0	0	0	0	2,220	301
2036	3,951	732	343	444	0	0	0	0	0	0	2,214	311
2037	3,988	731	343	445	0	0	0	0	0	0	2,205	321
2038	4,024	728	343	445	0	0	0	0	0	0	2,198	332
2039	4,059	725	343	446	0	0	0	0	0	0	2,190	342
2040	4,094	721	343	446	0	0	0	0	0	0	2,183	352
2041	4,129	720	343	447	0	0	0	0	0	0	2,174	361
2042	4,163	717	343	447	0	0	0	0	0	0	2,167	371
2043	4,195	714	343	447	0	0	0	0	0	0	2,159	381
2044	4,224	710	343	448	0	0	0	0	0	0	2,152	390
2045	4,253	710	343	448	0	0	0	0	0	0	2,150	398
2046	4,282	710	343	449	0	0	0	0	0	0	2,152	406
2047	4,309	710	343	451	0	0	0	0	0	0	2,153	414
2048	4,337	710	343	452	0	0	0	0	0	0	2,156	422
2049	4,364	710	343	454	0	0	0	0	0	0	2,155	430
2050	4,390	710	343	455	0	0	0	0	0	0	2,157	437
2051	4,416	710	343	457	0	0	0	0	0	0	2,158	445
2052	4,441	710	343	458	0	0	0	0	0	0	2,160	452
2053	4,466	710	343	460	0	0	0	0	0	0	2,160	459
2054	4,499	710	343	461	0	0	0	0	0	0	2,148	481
2055	4,543	710	343	463	0	0	0	0	0	0	2,098	544
2056	4,586	710	343	465	0	0	0	0	0	0	2,101	556
2057	4,629	710	343	468	0	0	0	0	0	0	2,101	569
2058	4,670	710	343	470	0	0	0	0	0	0	2,103	581
2059	4,711	710	343	473	0	0	0	0	0	0	2,104	593
2060	4,751	710	343	475	0	0	0	0	0	0	2,107	605

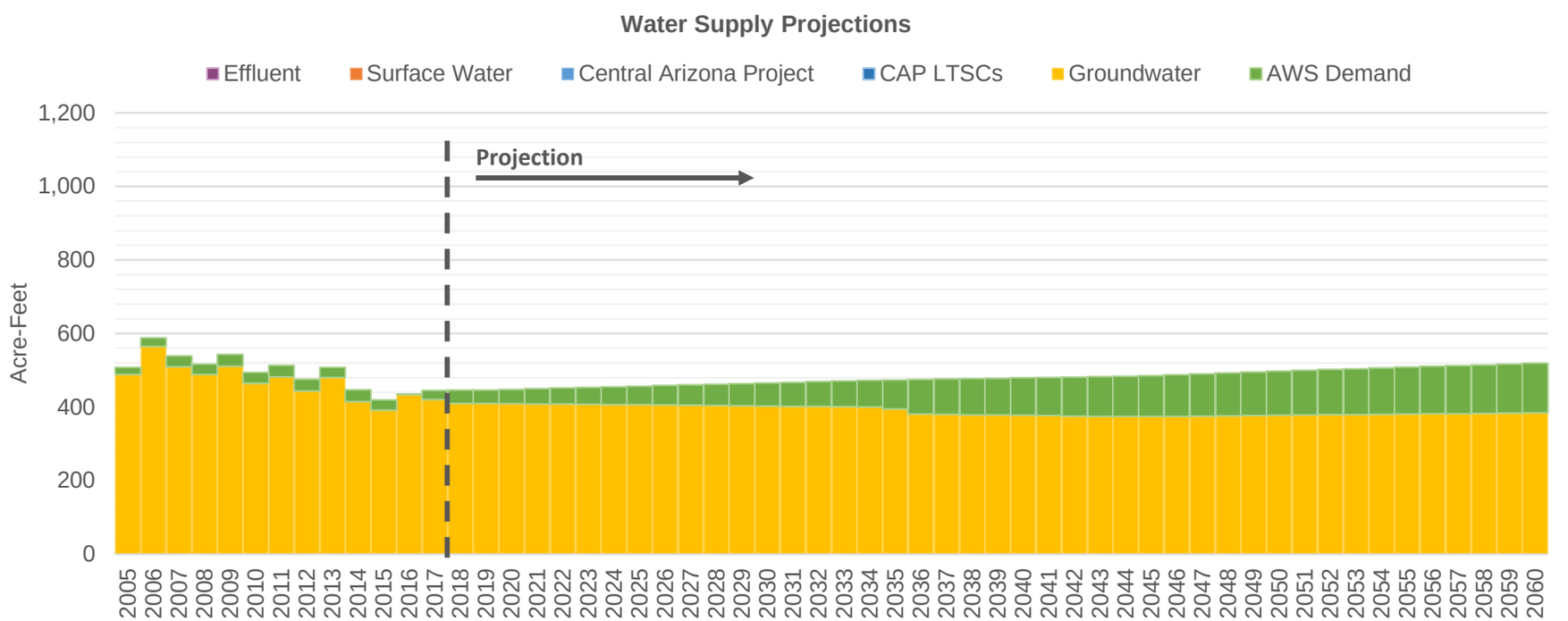
LasQuintas

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

LasQuintas

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

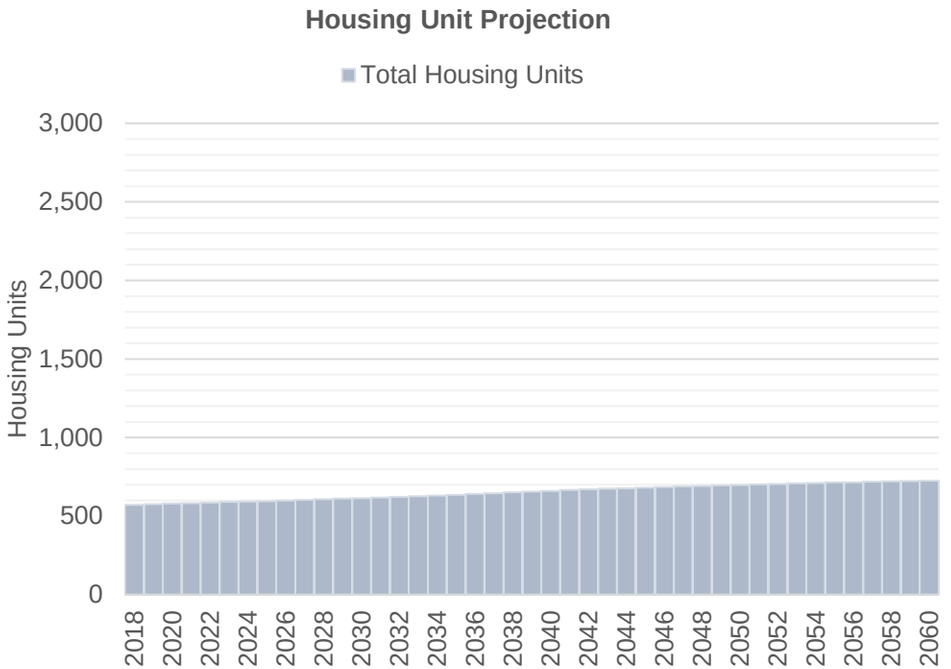
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

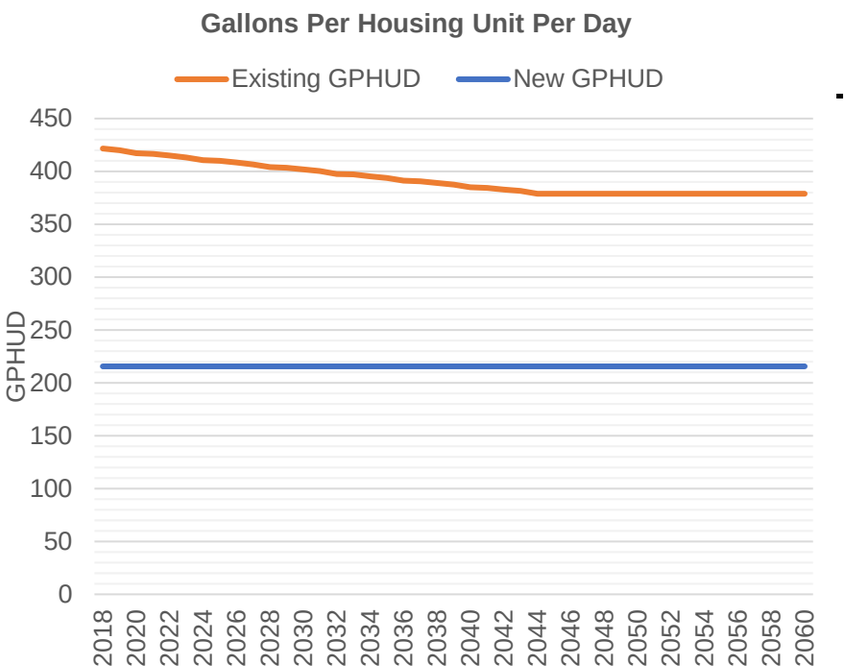
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,090	366	325	0	0	0	0	0	0	0	410	36
2019	1,099	364	325	0	0	0	0	0	0	0	410	37
2020	1,109	362	325	0	0	0	0	0	0	0	409	39
2021	1,118	362	325	0	0	0	0	0	0	0	409	41
2022	1,128	360	325	0	0	0	0	0	0	0	408	43
2023	1,137	359	325	0	0	0	0	0	0	0	408	46
2024	1,147	356	325	0	0	0	0	0	0	0	407	48
2025	1,157	356	325	0	0	0	0	0	0	0	406	50
2026	1,166	354	325	0	0	0	0	0	0	0	406	53
2027	1,176	353	325	0	0	0	0	0	0	0	405	55
2028	1,185	351	325	0	0	0	0	0	0	0	404	58
2029	1,195	350	325	0	0	0	0	0	0	0	404	60
2030	1,204	349	325	0	0	0	0	0	0	0	403	63
2031	1,213	347	325	0	0	0	0	0	0	0	402	65
2032	1,223	345	325	0	0	0	0	0	0	0	402	67
2033	1,232	345	325	0	0	0	0	0	0	0	401	70
2034	1,241	343	325	0	0	0	0	0	0	0	400	72
2035	1,249	342	325	0	0	0	0	0	0	0	395	79
2036	1,257	340	325	0	0	0	0	0	0	0	381	94
2037	1,265	339	325	0	0	0	0	0	0	0	380	96
2038	1,272	338	325	0	0	0	0	0	0	0	379	98
2039	1,280	336	325	0	0	0	0	0	0	0	378	100
2040	1,287	334	325	0	0	0	0	0	0	0	378	102
2041	1,295	334	325	0	0	0	0	0	0	0	377	104
2042	1,302	332	325	0	0	0	0	0	0	0	376	106
2043	1,309	331	325	0	0	0	0	0	0	0	375	108
2044	1,316	329	325	0	0	0	0	0	0	0	374	110
2045	1,323	329	325	0	0	0	0	0	0	0	374	111
2046	1,329	329	325	0	0	0	0	0	0	0	375	113
2047	1,336	329	325	0	0	0	0	0	0	0	376	115
2048	1,342	329	325	0	0	0	0	0	0	0	377	116
2049	1,349	329	325	0	0	0	0	0	0	0	377	118
2050	1,355	329	325	0	0	0	0	0	0	0	378	120
2051	1,361	329	325	0	0	0	0	0	0	0	378	121
2052	1,367	329	325	0	0	0	0	0	0	0	379	123
2053	1,373	329	325	0	0	0	0	0	0	0	380	124
2054	1,379	329	325	0	0	0	0	0	0	0	380	126
2055	1,385	329	325	0	0	0	0	0	0	0	381	128
2056	1,391	329	325	0	0	0	0	0	0	0	382	129
2057	1,396	329	325	0	0	0	0	0	0	0	382	131
2058	1,402	329	325	0	0	0	0	0	0	0	383	132
2059	1,407	329	325	0	0	0	0	0	0	0	383	133
2060	1,413	329	325	0	0	0	0	0	0	0	384	135

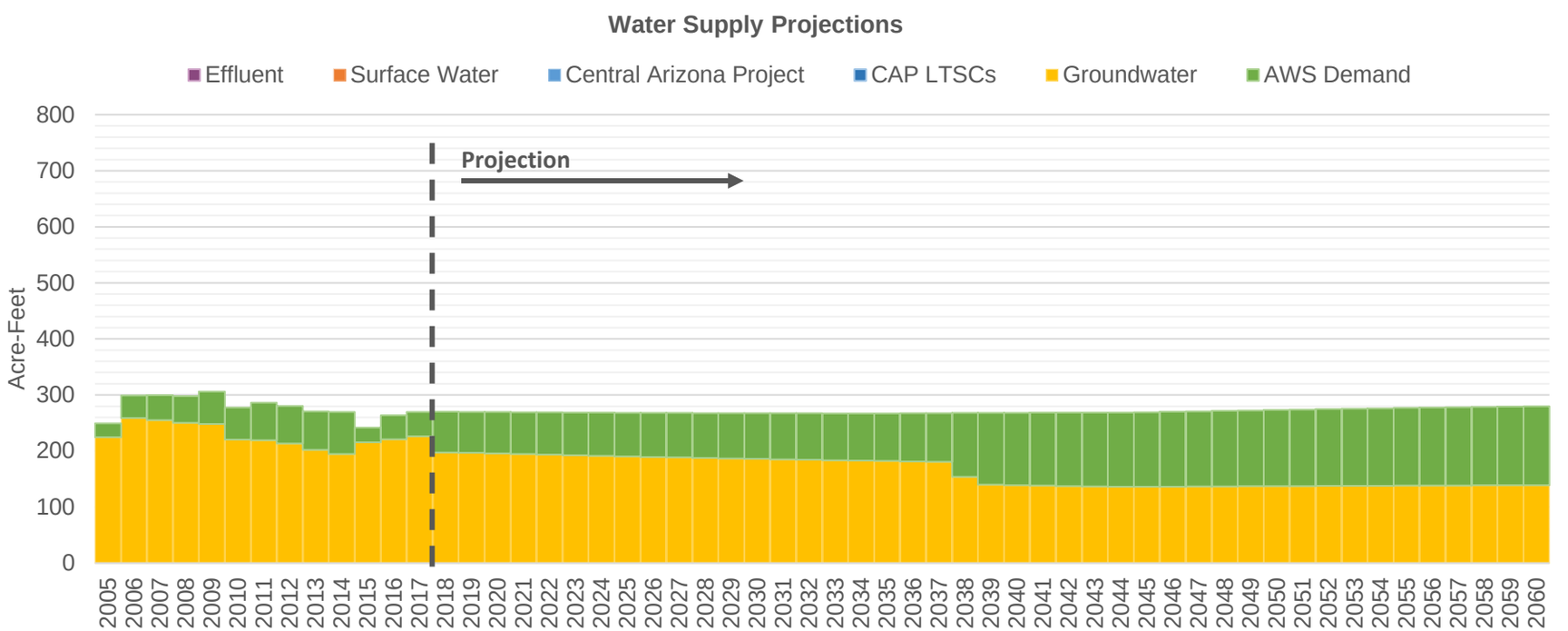
LosCerros

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

LosCerros

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

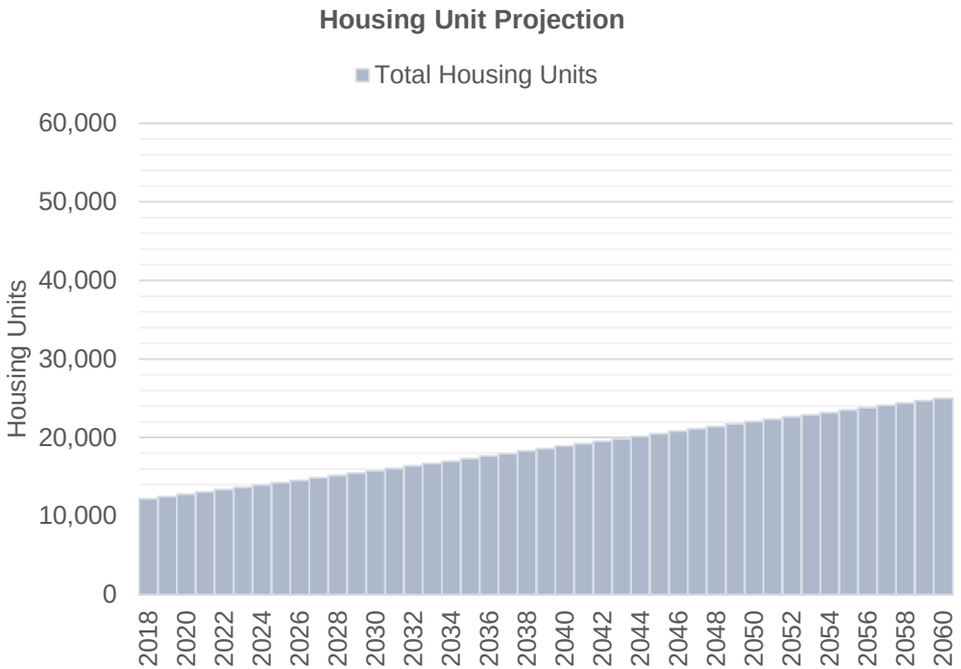
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

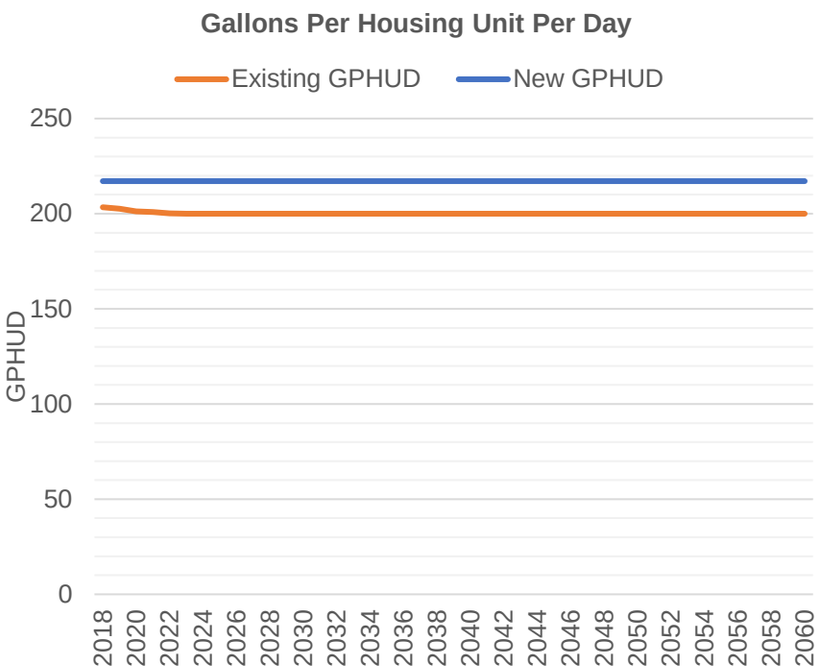
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	573	422	216	0	0	0	0	0	0	0	198	73
2019	576	420	216	0	0	0	0	0	0	0	197	73
2020	580	417	216	0	0	0	0	0	0	0	196	74
2021	583	417	216	0	0	0	0	0	0	0	194	75
2022	586	415	216	0	0	0	0	0	0	0	193	75
2023	590	413	216	0	0	0	0	0	0	0	192	76
2024	593	411	216	0	0	0	0	0	0	0	191	77
2025	596	410	216	0	0	0	0	0	0	0	190	78
2026	600	408	216	0	0	0	0	0	0	0	190	78
2027	604	407	216	0	0	0	0	0	0	0	189	79
2028	608	404	216	0	0	0	0	0	0	0	188	80
2029	612	403	216	0	0	0	0	0	0	0	187	81
2030	615	402	216	0	0	0	0	0	0	0	186	81
2031	619	400	216	0	0	0	0	0	0	0	185	82
2032	623	398	216	0	0	0	0	0	0	0	184	83
2033	627	397	216	0	0	0	0	0	0	0	184	84
2034	631	395	216	0	0	0	0	0	0	0	183	84
2035	636	394	216	0	0	0	0	0	0	0	182	85
2036	641	391	216	0	0	0	0	0	0	0	181	86
2037	646	391	216	0	0	0	0	0	0	0	181	87
2038	651	389	216	0	0	0	0	0	0	0	154	114
2039	656	388	216	0	0	0	0	0	0	0	140	128
2040	661	385	216	0	0	0	0	0	0	0	139	129
2041	666	385	216	0	0	0	0	0	0	0	138	130
2042	670	383	216	0	0	0	0	0	0	0	138	131
2043	675	381	216	0	0	0	0	0	0	0	137	132
2044	678	379	216	0	0	0	0	0	0	0	136	132
2045	682	379	216	0	0	0	0	0	0	0	136	133
2046	685	379	216	0	0	0	0	0	0	0	136	134
2047	689	379	216	0	0	0	0	0	0	0	137	134
2048	692	379	216	0	0	0	0	0	0	0	137	135
2049	696	379	216	0	0	0	0	0	0	0	137	135
2050	699	379	216	0	0	0	0	0	0	0	137	136
2051	702	379	216	0	0	0	0	0	0	0	138	137
2052	705	379	216	0	0	0	0	0	0	0	138	137
2053	708	379	216	0	0	0	0	0	0	0	138	138
2054	711	379	216	0	0	0	0	0	0	0	138	138
2055	714	379	216	0	0	0	0	0	0	0	138	139
2056	716	379	216	0	0	0	0	0	0	0	139	139
2057	719	379	216	0	0	0	0	0	0	0	139	140
2058	721	379	216	0	0	0	0	0	0	0	139	140
2059	723	379	216	0	0	0	0	0	0	0	139	140
2060	726	379	216	0	0	0	0	0	0	0	139	141

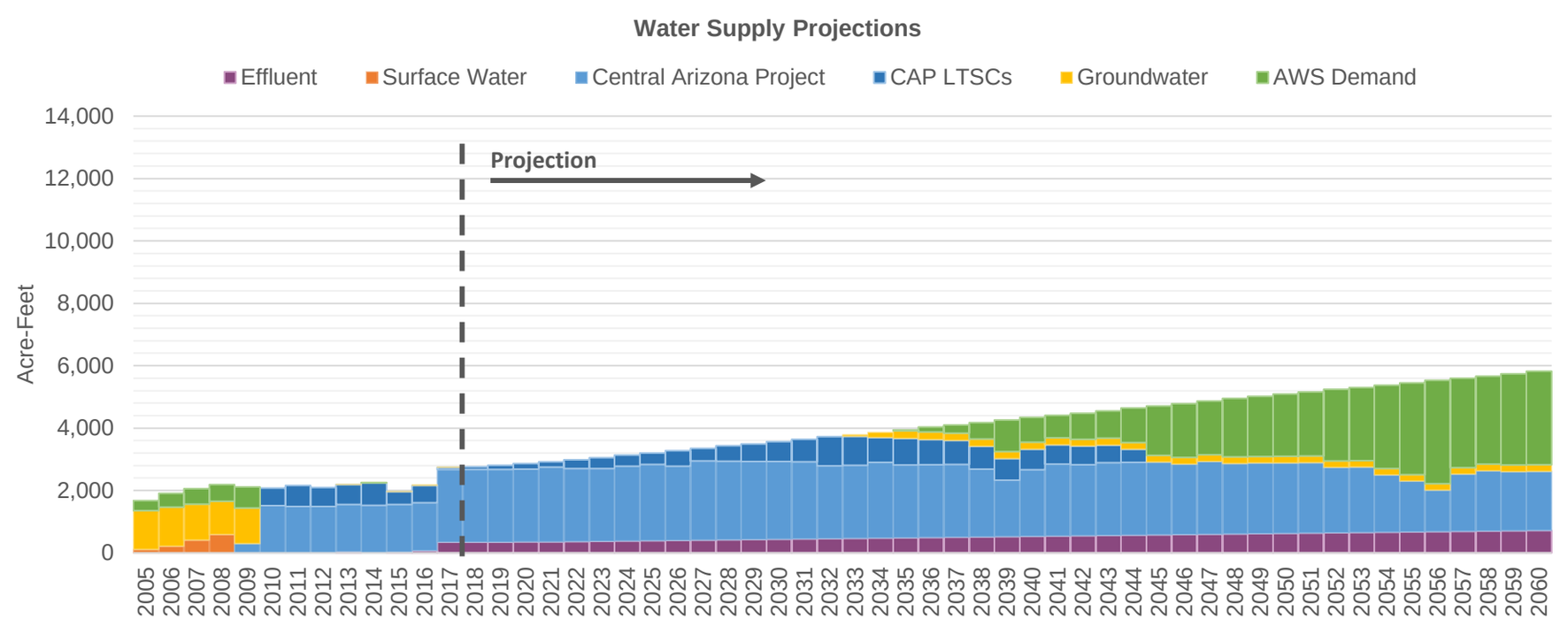
Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate

Marana







Central Arizona Project Service Area Model

Marana

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

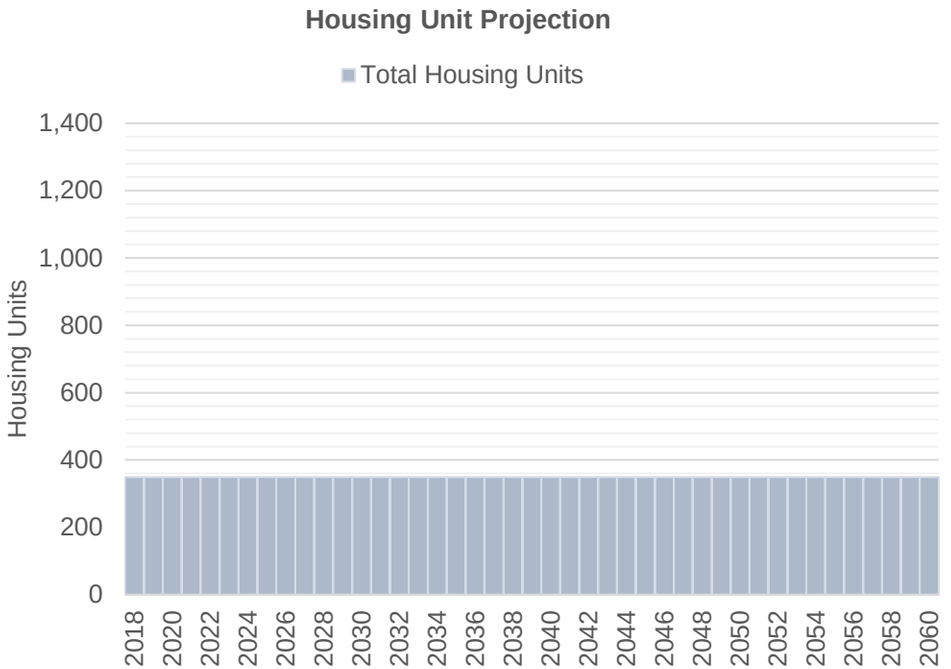
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

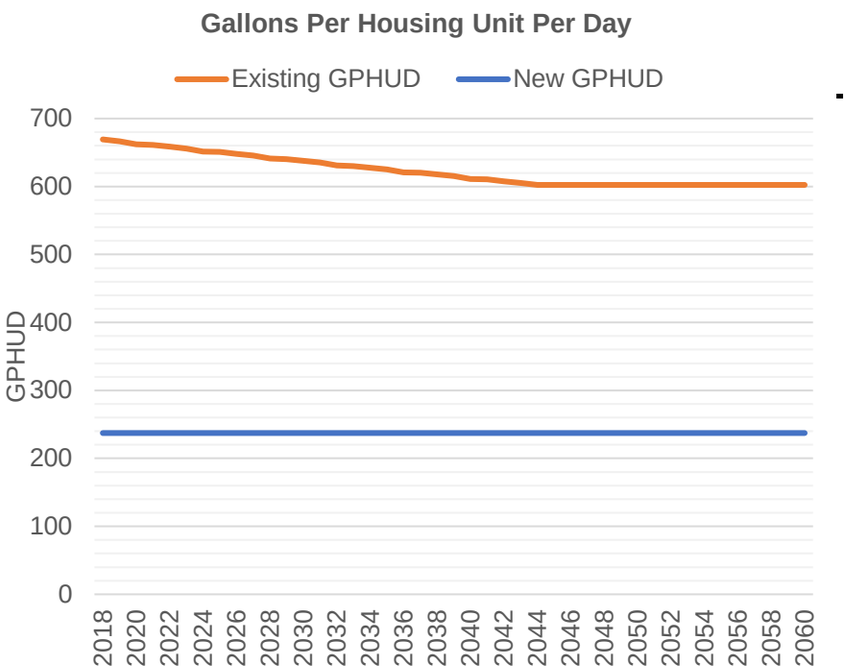
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	12,194	203	217	345	0	0	0	2,336	0	84	0	0
2019	12,483	203	217	345	0	0	0	2,336	0	123	0	0
2020	12,774	201	217	350	0	0	0	2,336	0	178	0	0
2021	13,068	201	217	357	0	0	0	2,393	0	174	0	0
2022	13,364	200	217	365	0	0	0	2,338	0	283	0	0
2023	13,662	200	217	372	0	0	0	2,336	0	347	0	0
2024	13,960	200	217	381	0	0	0	2,395	0	360	0	0
2025	14,259	200	217	391	0	0	0	2,446	0	363	0	0
2026	14,560	200	217	399	0	0	0	2,376	0	498	0	0
2027	14,870	200	217	408	0	0	0	2,536	0	403	0	0
2028	15,175	200	217	417	0	0	0	2,520	0	494	0	0
2029	15,476	200	217	428	0	0	0	2,505	0	563	0	0
2030	15,773	200	217	436	0	0	0	2,489	0	643	0	0
2031	16,083	200	217	445	0	0	0	2,474	0	723	0	0
2032	16,390	200	217	454	0	0	0	2,336	0	938	0	0
2033	16,694	200	217	465	0	0	0	2,342	0	930	54	0
2034	17,007	200	217	473	0	0	0	2,431	0	795	168	0
2035	17,335	200	217	482	0	0	0	2,336	0	850	243	34
2036	17,659	200	217	492	0	0	0	2,336	0	808	238	161
2037	17,979	200	217	503	0	0	0	2,336	0	767	234	262
2038	18,295	200	217	512	0	0	0	2,177	0	729	231	532
2039	18,606	200	217	521	0	0	0	1,808	0	692	227	1,007
2040	18,913	200	217	531	0	0	0	2,137	0	658	224	793
2041	19,216	200	217	542	0	0	0	2,300	0	625	222	718
2042	19,514	200	217	549	0	0	0	2,279	0	594	219	838
2043	19,822	200	217	558	0	0	0	2,336	0	564	217	877
2044	20,153	200	217	568	0	0	0	2,336	0	416	215	1,108
2045	20,479	200	217	579	0	0	0	2,336	0	0	214	1,581
2046	20,800	200	217	587	0	0	0	2,261	0	0	212	1,729
2047	21,115	200	217	597	0	0	0	2,336	0	0	211	1,722
2048	21,425	200	217	607	0	0	0	2,261	0	0	210	1,878
2049	21,729	200	217	618	0	0	0	2,261	0	0	209	1,929
2050	22,028	200	217	626	0	0	0	2,261	0	0	209	1,995
2051	22,320	200	217	635	0	0	0	2,261	0	0	208	2,058
2052	22,608	200	217	644	0	0	0	2,098	0	0	208	2,296
2053	22,889	200	217	654	0	0	0	2,098	0	0	208	2,341
2054	23,183	200	217	661	0	0	0	1,835	0	0	208	2,667
2055	23,497	200	217	670	0	0	0	1,633	0	0	208	2,934
2056	23,805	200	217	679	0	0	0	1,329	0	0	209	3,320
2057	24,107	200	217	690	0	0	0	1,835	0	0	209	2,861
2058	24,401	200	217	698	0	0	0	1,936	0	0	210	2,824
2059	24,690	200	217	707	0	0	0	1,896	0	0	210	2,925
2060	24,971	200	217	716	0	0	0	1,896	0	0	211	3,001

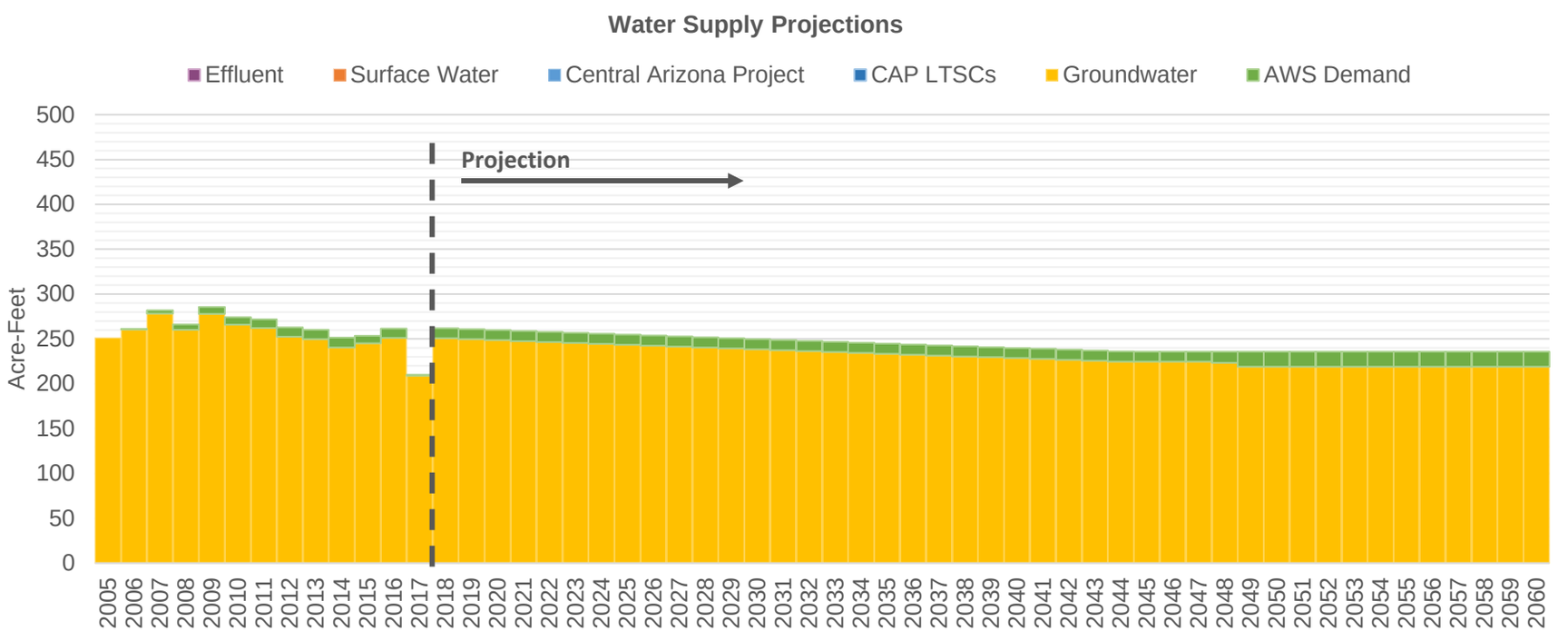
Central Arizona Project Service Area Model

MaranaDomestic

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

MaranaDomesti

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

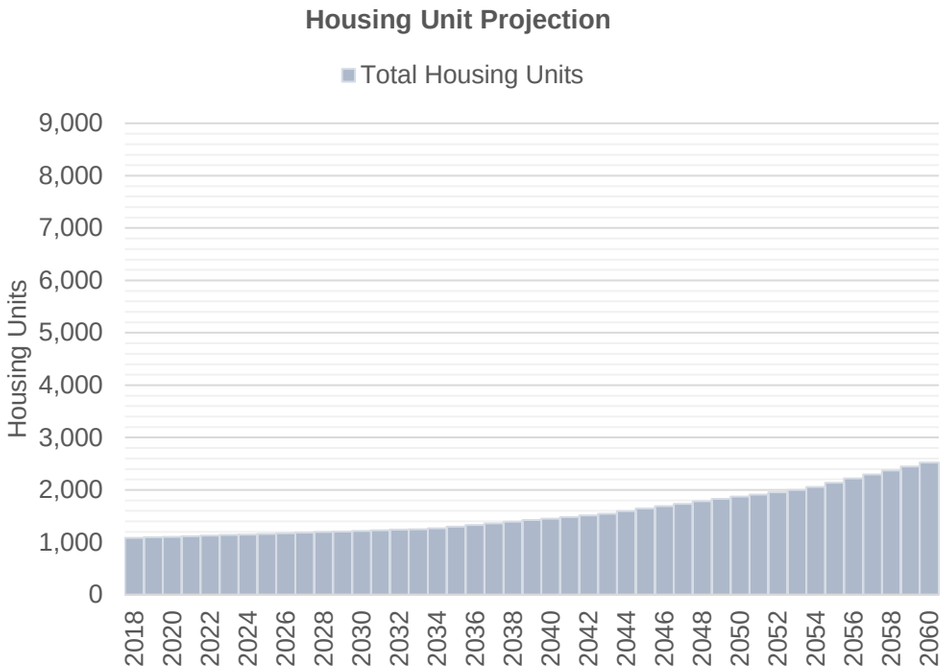
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

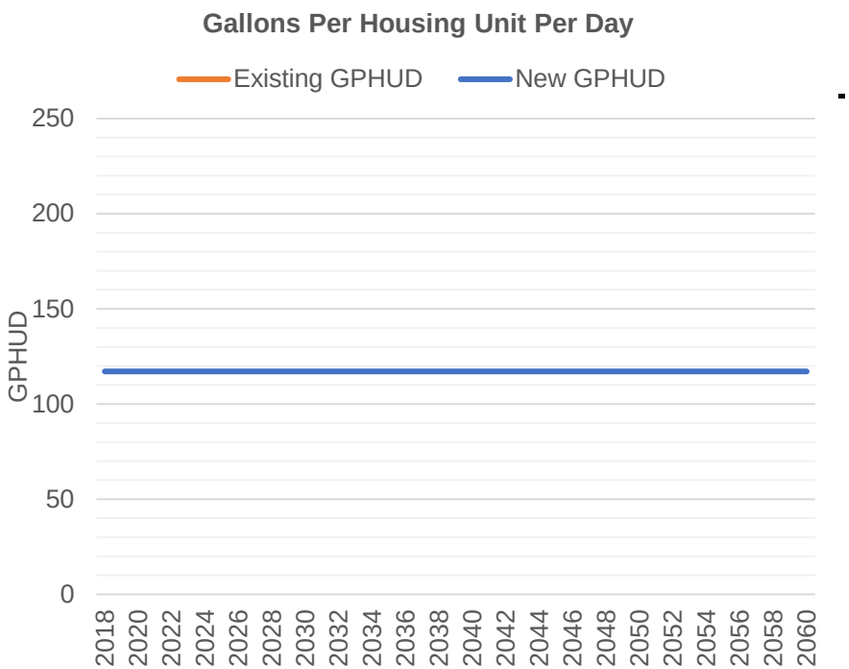
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	349	669	237	0	0	0	0	0	0	0	251	11
2019	349	667	237	0	0	0	0	0	0	0	250	11
2020	349	662	237	0	0	0	0	0	0	0	249	11
2021	349	661	237	0	0	0	0	0	0	0	248	11
2022	349	659	237	0	0	0	0	0	0	0	247	11
2023	349	656	237	0	0	0	0	0	0	0	246	11
2024	349	652	237	0	0	0	0	0	0	0	245	11
2025	349	651	237	0	0	0	0	0	0	0	243	11
2026	349	648	237	0	0	0	0	0	0	0	242	11
2027	349	646	237	0	0	0	0	0	0	0	241	11
2028	349	641	237	0	0	0	0	0	0	0	240	11
2029	349	640	237	0	0	0	0	0	0	0	239	11
2030	349	638	237	0	0	0	0	0	0	0	238	11
2031	349	635	237	0	0	0	0	0	0	0	237	11
2032	349	631	237	0	0	0	0	0	0	0	236	11
2033	349	630	237	0	0	0	0	0	0	0	235	11
2034	349	628	237	0	0	0	0	0	0	0	234	11
2035	349	625	237	0	0	0	0	0	0	0	233	11
2036	349	621	237	0	0	0	0	0	0	0	233	11
2037	349	620	237	0	0	0	0	0	0	0	232	11
2038	349	618	237	0	0	0	0	0	0	0	231	11
2039	349	615	237	0	0	0	0	0	0	0	230	11
2040	349	611	237	0	0	0	0	0	0	0	229	11
2041	349	610	237	0	0	0	0	0	0	0	228	11
2042	349	608	237	0	0	0	0	0	0	0	227	11
2043	349	605	237	0	0	0	0	0	0	0	226	11
2044	349	602	237	0	0	0	0	0	0	0	225	11
2045	349	602	237	0	0	0	0	0	0	0	225	11
2046	349	602	237	0	0	0	0	0	0	0	225	11
2047	349	602	237	0	0	0	0	0	0	0	225	11
2048	349	602	237	0	0	0	0	0	0	0	224	12
2049	349	602	237	0	0	0	0	0	0	0	219	17
2050	349	602	237	0	0	0	0	0	0	0	219	17
2051	349	602	237	0	0	0	0	0	0	0	219	17
2052	349	602	237	0	0	0	0	0	0	0	219	17
2053	349	602	237	0	0	0	0	0	0	0	219	17
2054	349	602	237	0	0	0	0	0	0	0	219	17
2055	349	602	237	0	0	0	0	0	0	0	219	17
2056	349	602	237	0	0	0	0	0	0	0	219	17
2057	349	602	237	0	0	0	0	0	0	0	219	17
2058	349	602	237	0	0	0	0	0	0	0	219	17
2059	349	602	237	0	0	0	0	0	0	0	219	17
2060	349	602	237	0	0	0	0	0	0	0	219	17

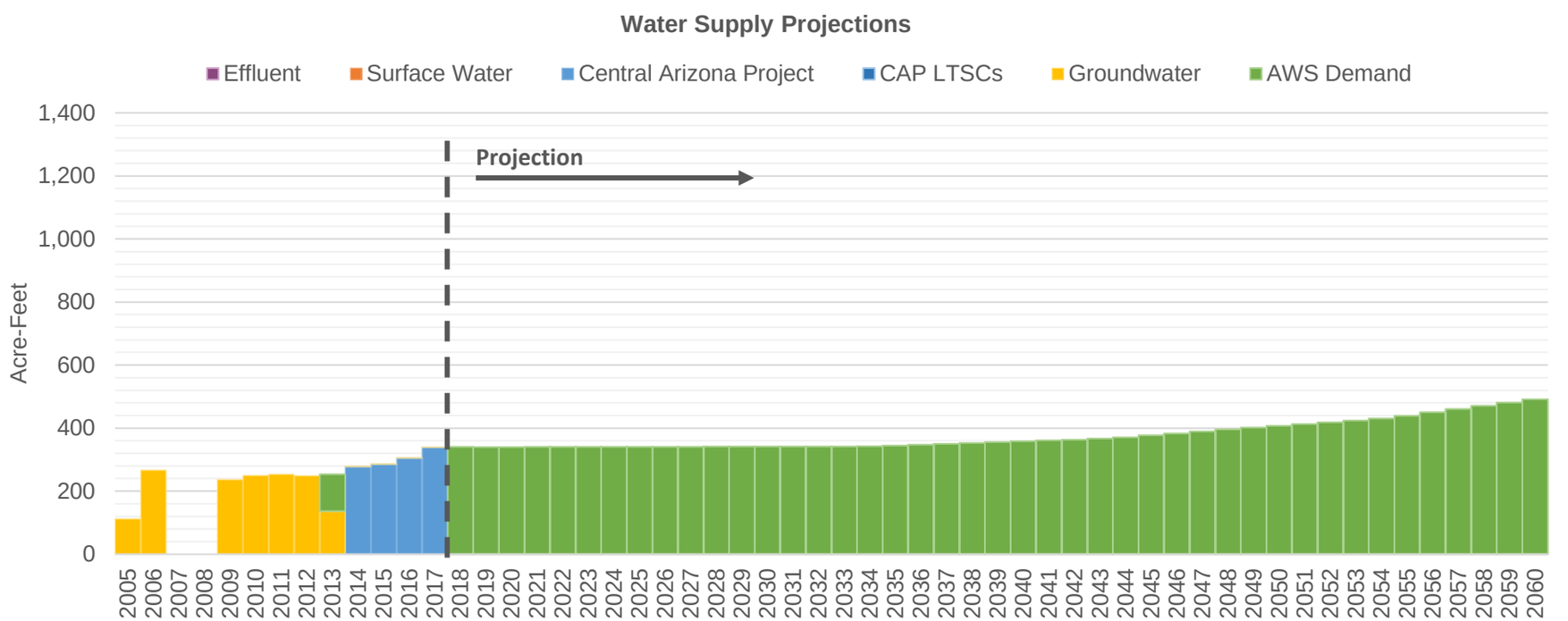
Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate

MetroDiablo







Central Arizona Project Service Area Model

MetroDiablo

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

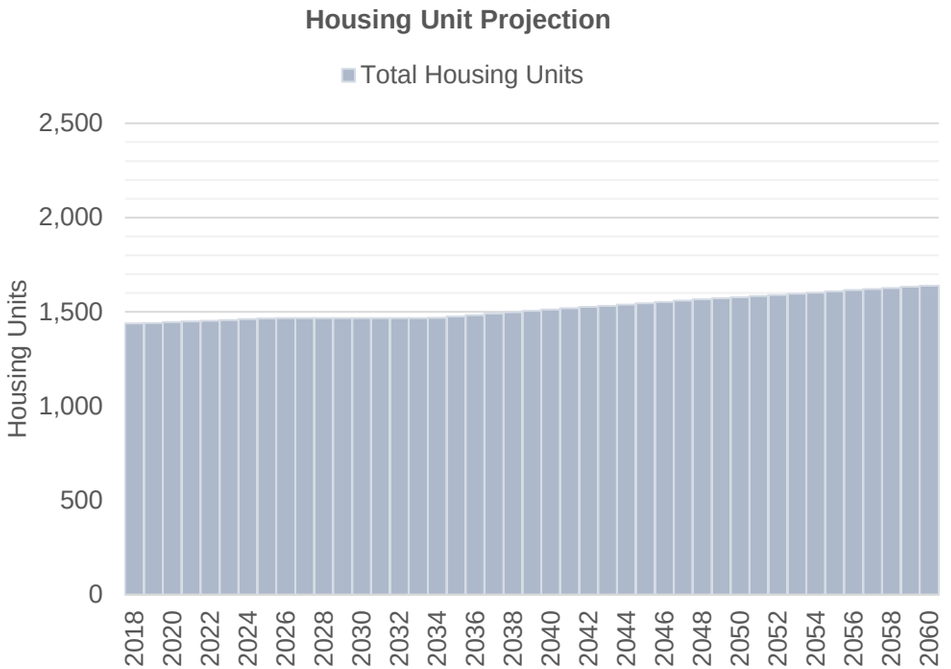
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

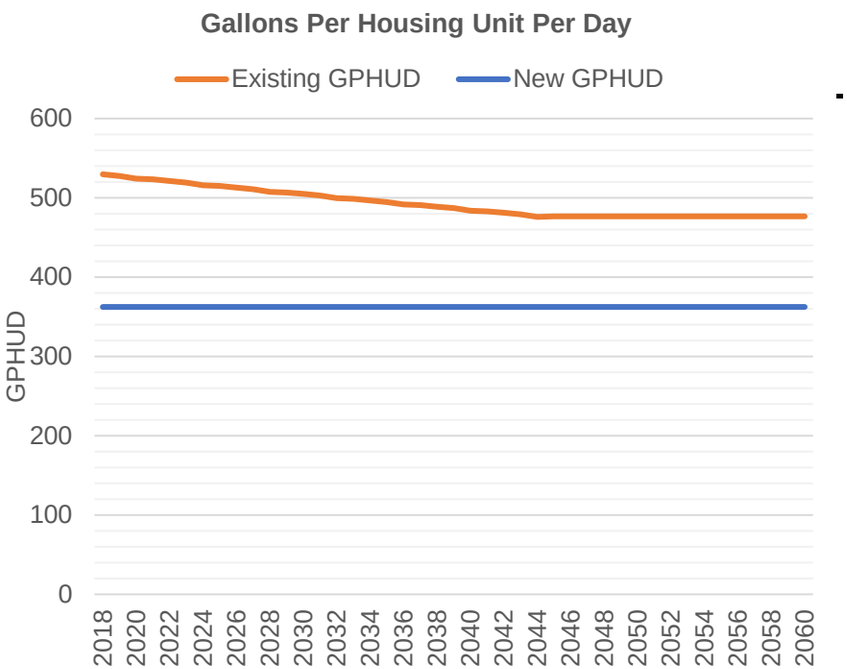
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,085	281	117	0	0	0	0	0	0	0	0	340
2019	1,096	280	117	0	0	0	0	0	0	0	0	340
2020	1,107	278	117	0	0	0	0	0	0	0	0	340
2021	1,118	278	117	0	0	0	0	0	0	0	0	340
2022	1,129	277	117	0	0	0	0	0	0	0	0	340
2023	1,140	276	117	0	0	0	0	0	0	0	0	340
2024	1,151	274	117	0	0	0	0	0	0	0	0	341
2025	1,163	273	117	0	0	0	0	0	0	0	0	341
2026	1,174	272	117	0	0	0	0	0	0	0	0	341
2027	1,185	271	117	0	0	0	0	0	0	0	0	341
2028	1,196	269	117	0	0	0	0	0	0	0	0	341
2029	1,207	269	117	0	0	0	0	0	0	0	0	341
2030	1,218	268	117	0	0	0	0	0	0	0	0	341
2031	1,229	267	117	0	0	0	0	0	0	0	0	342
2032	1,240	265	117	0	0	0	0	0	0	0	0	342
2033	1,251	265	117	0	0	0	0	0	0	0	0	342
2034	1,270	264	117	0	0	0	0	0	0	0	0	343
2035	1,302	263	117	0	0	0	0	0	0	0	0	345
2036	1,333	261	117	0	0	0	0	0	0	0	0	348
2037	1,364	261	117	0	0	0	0	0	0	0	0	350
2038	1,395	259	117	0	0	0	0	0	0	0	0	353
2039	1,425	258	117	0	0	0	0	0	0	0	0	356
2040	1,454	257	117	0	0	0	0	0	0	0	0	359
2041	1,483	256	117	0	0	0	0	0	0	0	0	361
2042	1,512	255	117	0	0	0	0	0	0	0	0	364
2043	1,547	253	117	0	0	0	0	0	0	0	0	367
2044	1,596	253	117	0	0	0	0	0	0	0	0	371
2045	1,644	253	117	0	0	0	0	0	0	0	0	377
2046	1,691	253	117	0	0	0	0	0	0	0	0	383
2047	1,737	253	117	0	0	0	0	0	0	0	0	389
2048	1,783	253	117	0	0	0	0	0	0	0	0	395
2049	1,827	253	117	0	0	0	0	0	0	0	0	401
2050	1,871	253	117	0	0	0	0	0	0	0	0	407
2051	1,914	253	117	0	0	0	0	0	0	0	0	413
2052	1,956	253	117	0	0	0	0	0	0	0	0	419
2053	1,998	253	117	0	0	0	0	0	0	0	0	424
2054	2,055	253	117	0	0	0	0	0	0	0	0	430
2055	2,138	253	117	0	0	0	0	0	0	0	0	439
2056	2,218	253	117	0	0	0	0	0	0	0	0	450
2057	2,297	253	117	0	0	0	0	0	0	0	0	461
2058	2,375	253	117	0	0	0	0	0	0	0	0	471
2059	2,450	253	117	0	0	0	0	0	0	0	0	481
2060	2,524	253	117	0	0	0	0	0	0	0	0	491

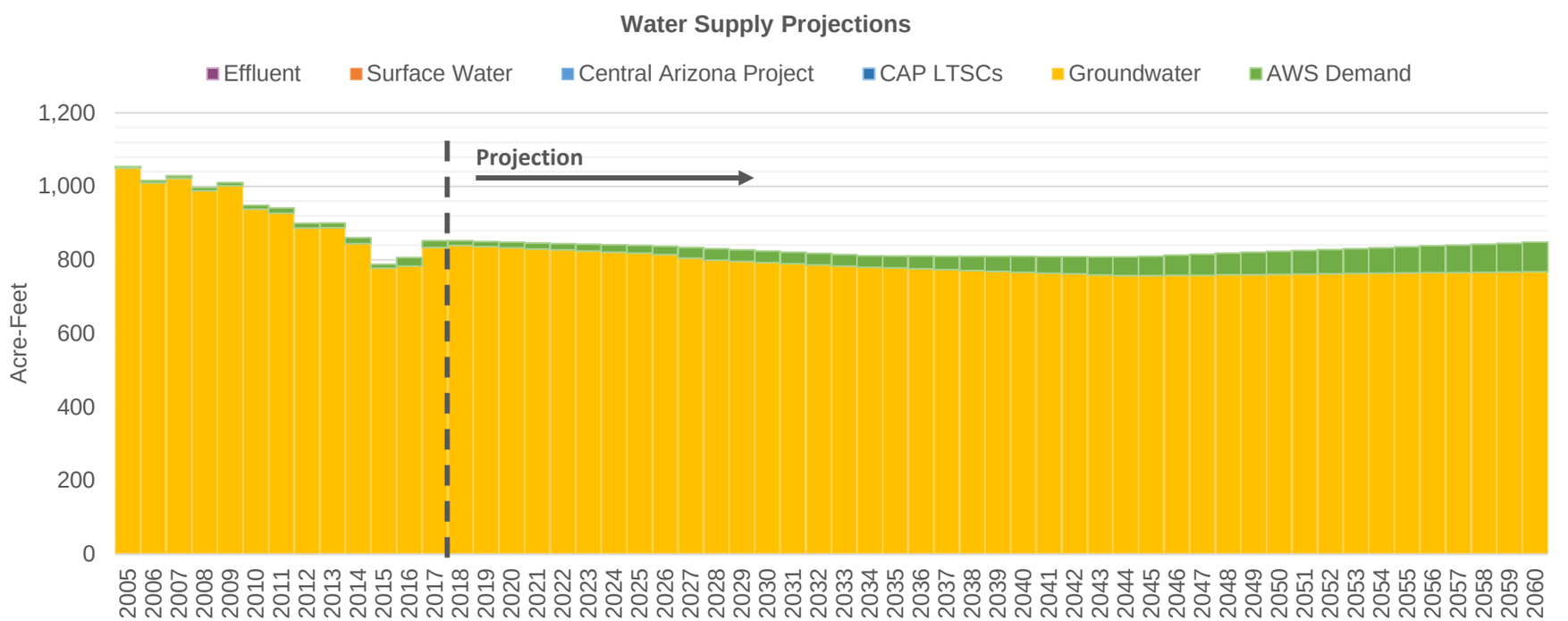
MetroHub

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

MetroHub

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

Demand Assumptions

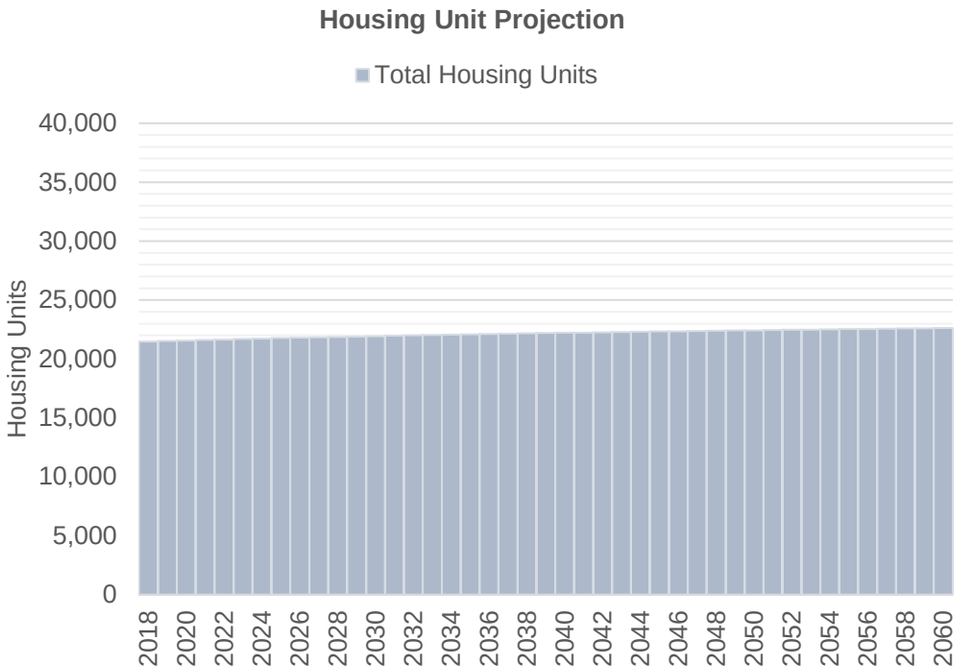
Water Supply Projections (Acre-Feet)

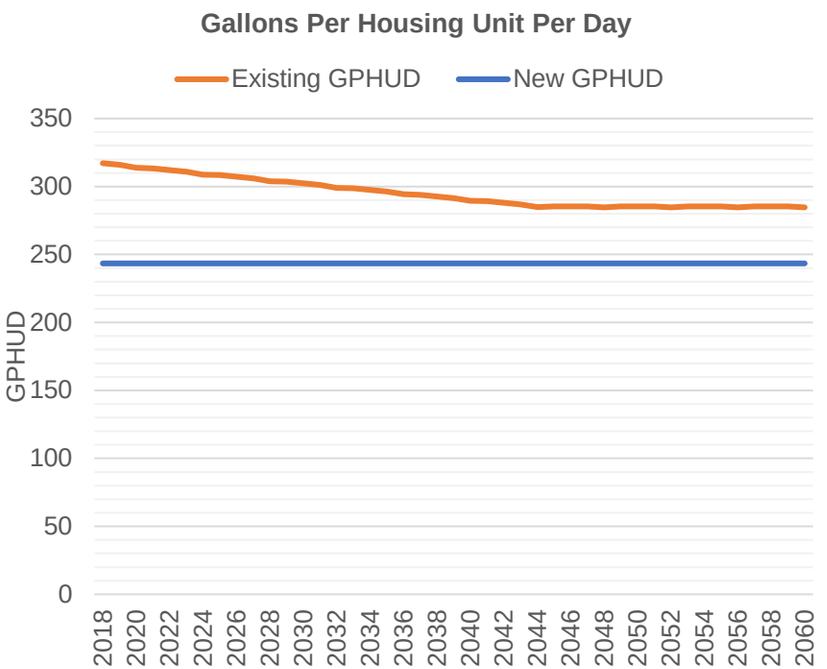
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,438	530	362	0	0	0	0	0	0	0	839	13
2019	1,441	528	362	0	0	0	0	0	0	0	836	14
2020	1,445	524	362	0	0	0	0	0	0	0	833	15
2021	1,449	523	362	0	0	0	0	0	0	0	830	16
2022	1,453	521	362	0	0	0	0	0	0	0	827	17
2023	1,457	519	362	0	0	0	0	0	0	0	824	18
2024	1,461	516	362	0	0	0	0	0	0	0	821	20
2025	1,465	515	362	0	0	0	0	0	0	0	819	21
2026	1,466	513	362	0	0	0	0	0	0	0	815	22
2027	1,466	511	362	0	0	0	0	0	0	0	805	29
2028	1,466	508	362	0	0	0	0	0	0	0	799	31
2029	1,466	507	362	0	0	0	0	0	0	0	796	31
2030	1,466	505	362	0	0	0	0	0	0	0	793	31
2031	1,466	503	362	0	0	0	0	0	0	0	790	31
2032	1,466	499	362	0	0	0	0	0	0	0	786	31
2033	1,466	499	362	0	0	0	0	0	0	0	783	31
2034	1,468	497	362	0	0	0	0	0	0	0	780	31
2035	1,476	495	362	0	0	0	0	0	0	0	779	32
2036	1,483	491	362	0	0	0	0	0	0	0	776	34
2037	1,491	491	362	0	0	0	0	0	0	0	774	36
2038	1,498	489	362	0	0	0	0	0	0	0	772	39
2039	1,505	487	362	0	0	0	0	0	0	0	769	41
2040	1,512	484	362	0	0	0	0	0	0	0	767	43
2041	1,519	483	362	0	0	0	0	0	0	0	764	45
2042	1,526	481	362	0	0	0	0	0	0	0	762	47
2043	1,532	479	362	0	0	0	0	0	0	0	760	49
2044	1,539	476	362	0	0	0	0	0	0	0	758	51
2045	1,546	477	362	0	0	0	0	0	0	0	757	53
2046	1,553	477	362	0	0	0	0	0	0	0	758	55
2047	1,559	477	362	0	0	0	0	0	0	0	759	57
2048	1,566	477	362	0	0	0	0	0	0	0	760	58
2049	1,572	477	362	0	0	0	0	0	0	0	760	60
2050	1,578	477	362	0	0	0	0	0	0	0	761	62
2051	1,584	477	362	0	0	0	0	0	0	0	762	64
2052	1,590	477	362	0	0	0	0	0	0	0	763	66
2053	1,596	477	362	0	0	0	0	0	0	0	763	68
2054	1,602	477	362	0	0	0	0	0	0	0	764	69
2055	1,609	477	362	0	0	0	0	0	0	0	765	71
2056	1,615	477	362	0	0	0	0	0	0	0	765	73
2057	1,621	477	362	0	0	0	0	0	0	0	766	75
2058	1,627	477	362	0	0	0	0	0	0	0	767	77
2059	1,633	477	362	0	0	0	0	0	0	0	767	78
2060	1,639	477	362	0	0	0	0	0	0	0	768	80

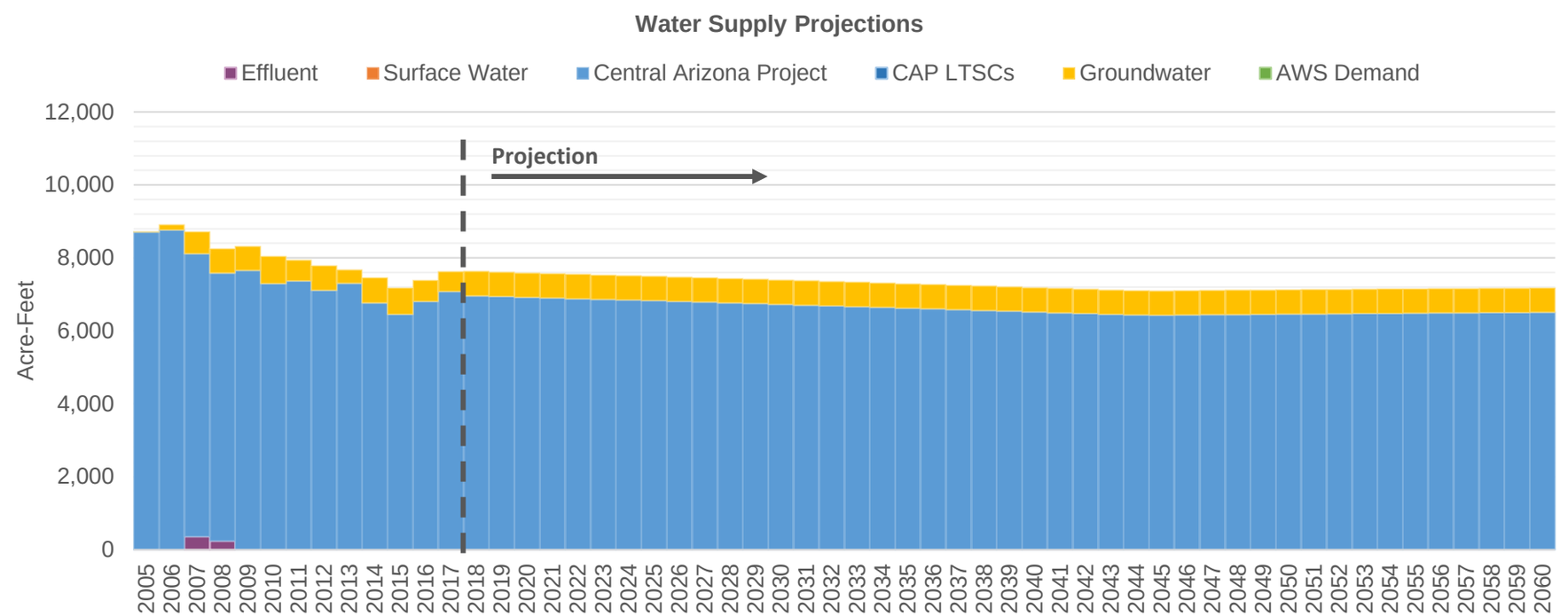
Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate

MetroMain







Central Arizona Project Service Area Model

MetroMain

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

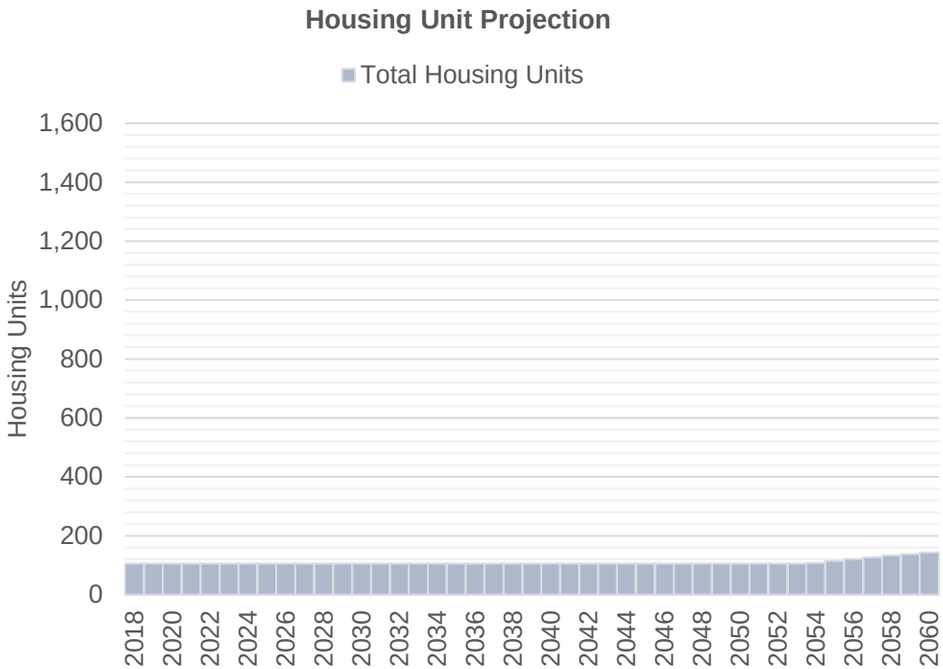
Demand Assumptions **Water Supply Projections** (Acre-Feet)

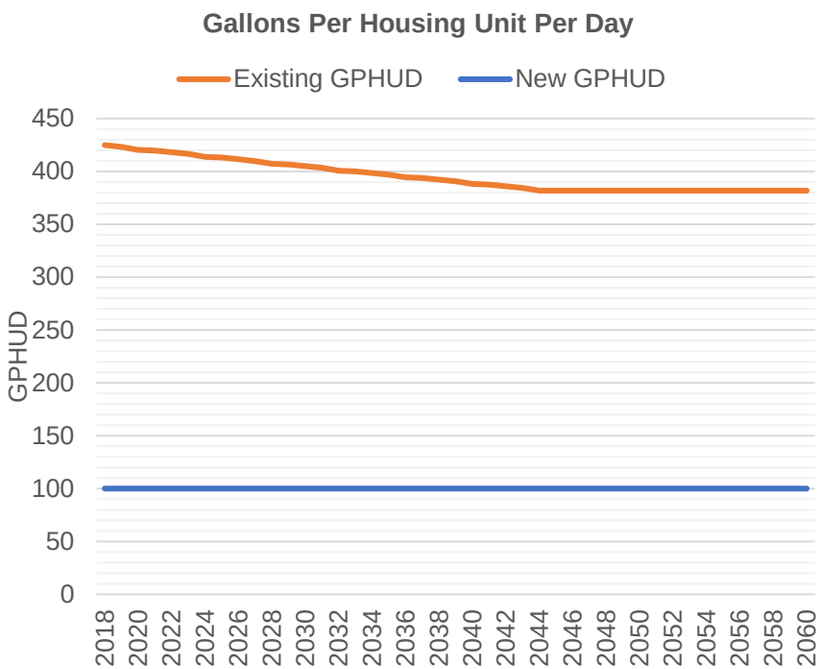
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	21,487	317	243	0	0	0	0	6,962	6,498	0	668	0
2019	21,527	316	243	0	0	0	0	6,939	6,521	0	668	0
2020	21,568	314	243	0	0	0	0	6,920	6,540	0	668	0
2021	21,610	313	243	0	0	0	0	6,901	6,559	0	668	0
2022	21,651	312	243	0	0	0	0	6,882	6,578	0	668	0
2023	21,693	311	243	0	0	0	0	6,863	6,597	0	668	0
2024	21,735	309	243	0	0	0	0	6,845	6,615	0	668	0
2025	21,777	308	243	0	0	0	0	6,827	6,633	0	668	0
2026	21,813	307	243	0	0	0	0	6,808	6,652	0	668	0
2027	21,845	306	243	0	0	0	0	6,787	6,673	0	668	0
2028	21,878	304	243	0	0	0	0	6,767	6,693	0	668	0
2029	21,909	303	243	0	0	0	0	6,746	6,714	0	668	0
2030	21,940	302	243	0	0	0	0	6,725	6,735	0	668	0
2031	21,973	301	243	0	0	0	0	6,705	6,755	0	668	0
2032	22,005	299	243	0	0	0	0	6,685	6,775	0	668	0
2033	22,037	299	243	0	0	0	0	6,665	6,795	0	668	0
2034	22,067	297	243	0	0	0	0	6,645	6,815	0	668	0
2035	22,094	296	243	0	0	0	0	6,624	6,836	0	668	0
2036	22,120	294	243	0	0	0	0	6,603	6,857	0	668	0
2037	22,146	294	243	0	0	0	0	6,581	6,879	0	668	0
2038	22,171	293	243	0	0	0	0	6,560	5,982	0	668	0
2039	22,197	292	243	0	0	0	0	6,539	3,878	0	668	0
2040	22,222	290	243	0	0	0	0	6,518	5,794	0	668	0
2041	22,246	289	243	0	0	0	0	6,496	6,753	0	668	0
2042	22,270	288	243	0	0	0	0	6,475	6,655	0	668	0
2043	22,294	287	243	0	0	0	0	6,454	7,006	0	668	0
2044	22,316	285	243	0	0	0	0	6,433	7,027	0	668	0
2045	22,338	285	243	0	0	0	0	6,431	7,029	0	668	0
2046	22,359	285	243	0	0	0	0	6,436	6,589	0	668	0
2047	22,381	285	243	0	0	0	0	6,442	7,018	0	668	0
2048	22,401	285	243	0	0	0	0	6,449	6,576	0	668	0
2049	22,422	285	243	0	0	0	0	6,454	6,571	0	668	0
2050	22,442	285	243	0	0	0	0	6,459	6,566	0	668	0
2051	22,461	285	243	0	0	0	0	6,465	6,561	0	668	0
2052	22,481	285	243	0	0	0	0	6,471	5,621	0	668	0
2053	22,499	285	243	0	0	0	0	6,475	5,616	0	668	0
2054	22,518	285	243	0	0	0	0	6,480	4,094	0	668	0
2055	22,535	285	243	0	0	0	0	6,485	2,922	0	668	0
2056	22,553	285	243	0	0	0	0	6,491	1,165	0	668	0
2057	22,570	285	243	0	0	0	0	6,495	4,079	0	668	0
2058	22,586	285	243	0	0	0	0	6,499	4,658	0	668	0
2059	22,602	285	243	0	0	0	0	6,503	4,421	0	668	0
2060	22,618	285	243	0	0	0	0	6,509	4,415	0	668	0

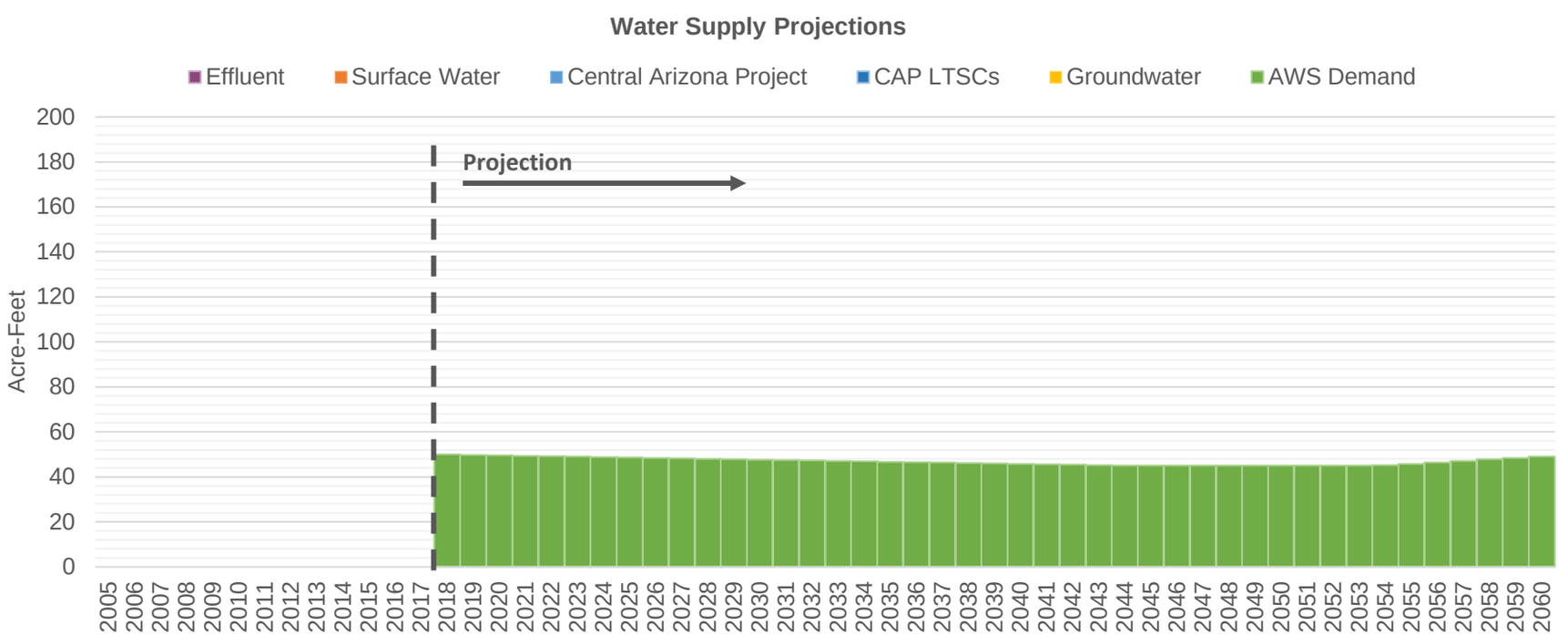
Central Arizona Project Service Area Model

MetroWest

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

MetroWest

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

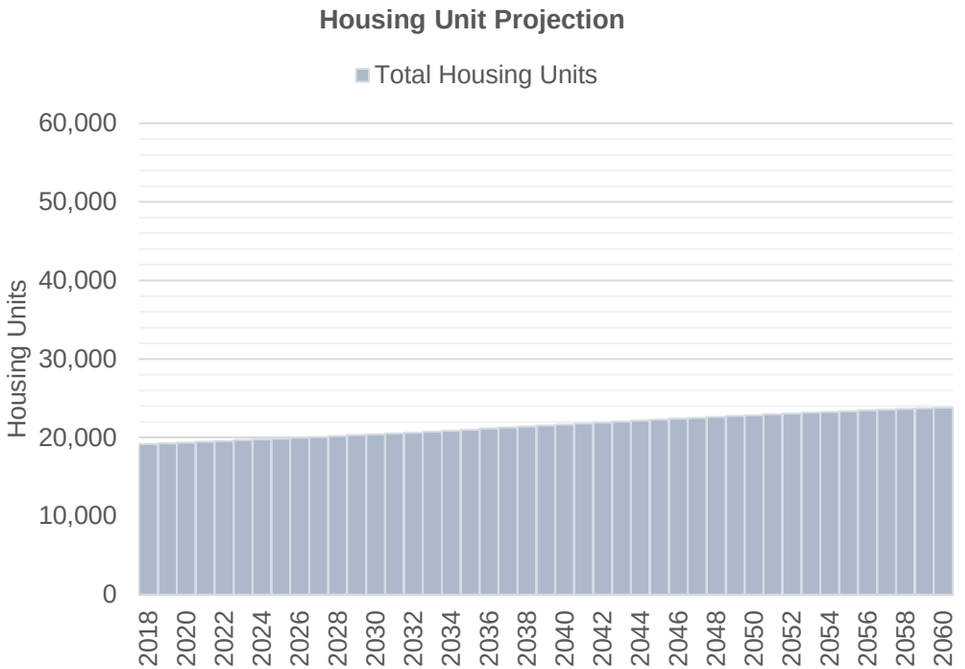
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

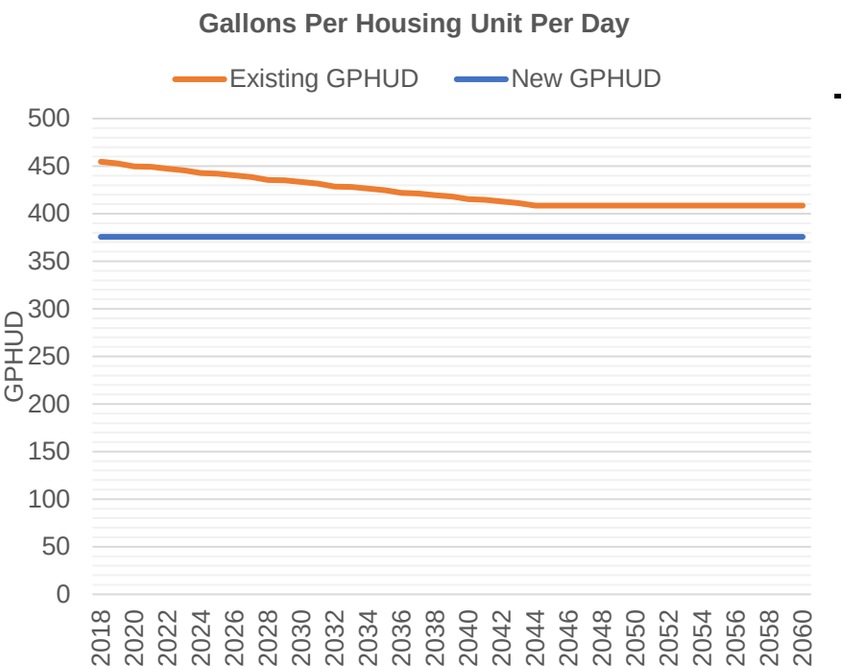
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	105	425	100	0	0	0	0	0	0	0	0	50
2019	105	423	100	0	0	0	0	0	0	0	0	50
2020	105	420	100	0	0	0	0	0	0	0	0	50
2021	105	420	100	0	0	0	0	0	0	0	0	49
2022	105	418	100	0	0	0	0	0	0	0	0	49
2023	105	416	100	0	0	0	0	0	0	0	0	49
2024	105	414	100	0	0	0	0	0	0	0	0	49
2025	105	413	100	0	0	0	0	0	0	0	0	49
2026	105	412	100	0	0	0	0	0	0	0	0	48
2027	105	410	100	0	0	0	0	0	0	0	0	48
2028	105	407	100	0	0	0	0	0	0	0	0	48
2029	105	407	100	0	0	0	0	0	0	0	0	48
2030	105	405	100	0	0	0	0	0	0	0	0	48
2031	105	403	100	0	0	0	0	0	0	0	0	47
2032	105	401	100	0	0	0	0	0	0	0	0	47
2033	105	400	100	0	0	0	0	0	0	0	0	47
2034	105	399	100	0	0	0	0	0	0	0	0	47
2035	105	397	100	0	0	0	0	0	0	0	0	47
2036	105	394	100	0	0	0	0	0	0	0	0	47
2037	105	394	100	0	0	0	0	0	0	0	0	46
2038	105	392	100	0	0	0	0	0	0	0	0	46
2039	105	391	100	0	0	0	0	0	0	0	0	46
2040	105	388	100	0	0	0	0	0	0	0	0	46
2041	105	388	100	0	0	0	0	0	0	0	0	46
2042	105	386	100	0	0	0	0	0	0	0	0	45
2043	105	384	100	0	0	0	0	0	0	0	0	45
2044	105	382	100	0	0	0	0	0	0	0	0	45
2045	105	382	100	0	0	0	0	0	0	0	0	45
2046	105	382	100	0	0	0	0	0	0	0	0	45
2047	105	382	100	0	0	0	0	0	0	0	0	45
2048	105	382	100	0	0	0	0	0	0	0	0	45
2049	105	382	100	0	0	0	0	0	0	0	0	45
2050	105	382	100	0	0	0	0	0	0	0	0	45
2051	105	382	100	0	0	0	0	0	0	0	0	45
2052	105	382	100	0	0	0	0	0	0	0	0	45
2053	105	382	100	0	0	0	0	0	0	0	0	45
2054	108	382	100	0	0	0	0	0	0	0	0	45
2055	114	382	100	0	0	0	0	0	0	0	0	46
2056	121	382	100	0	0	0	0	0	0	0	0	46
2057	127	382	100	0	0	0	0	0	0	0	0	47
2058	133	382	100	0	0	0	0	0	0	0	0	48
2059	138	382	100	0	0	0	0	0	0	0	0	48
2060	144	382	100	0	0	0	0	0	0	0	0	49

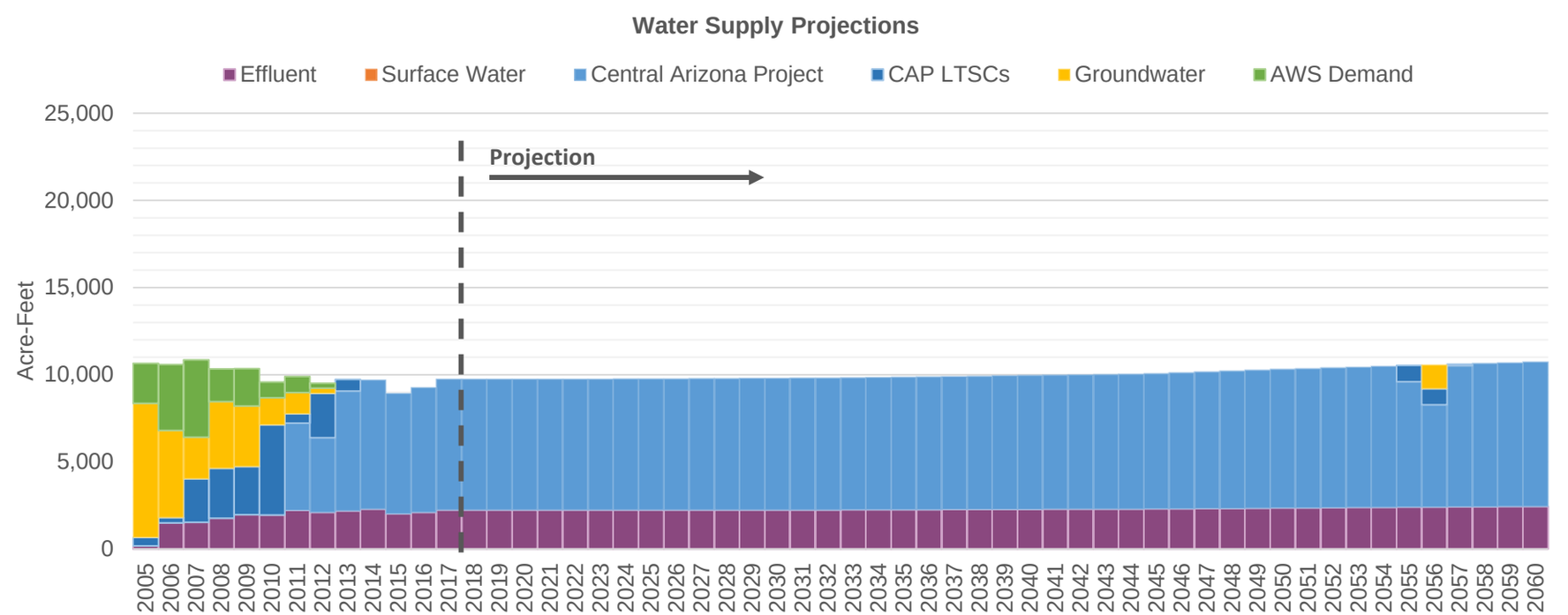
OroValley

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate

OroValley

7/13/20 12:06 PM

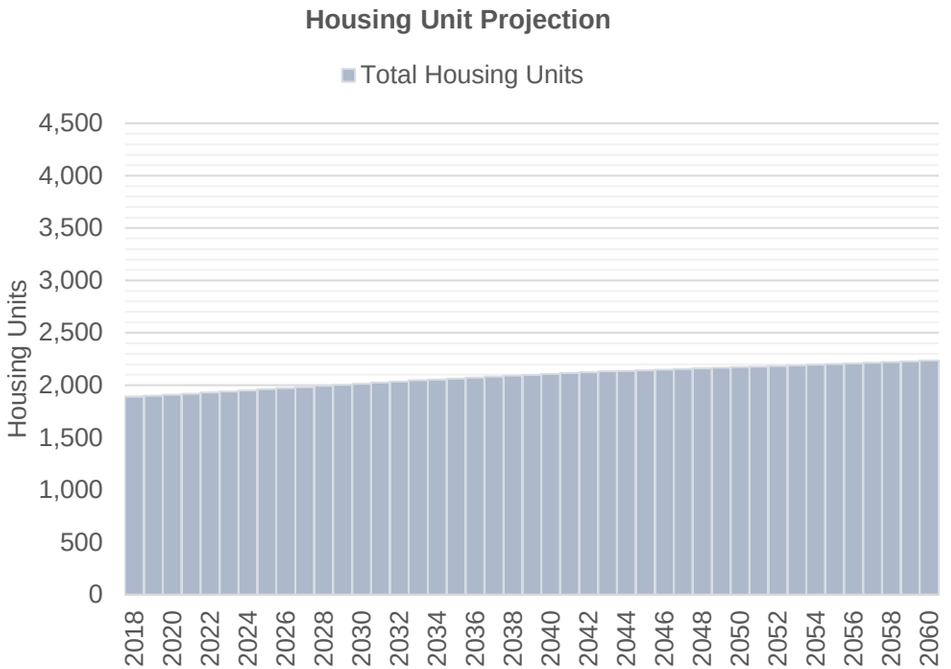
Demand Assumptions **Water Supply Projections** (Acre-Feet)

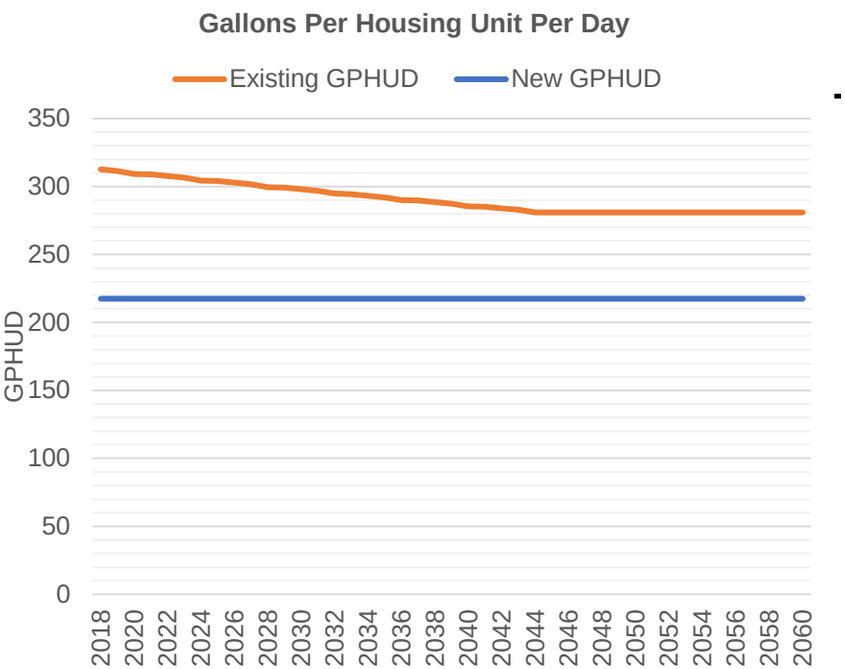
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	19,174	455	376	2,232	0	0	0	7,520	2,785	0	0	0
2019	19,271	453	376	2,232	0	0	0	7,510	2,795	0	0	0
2020	19,368	450	376	2,230	0	0	0	7,515	2,790	0	0	0
2021	19,467	449	376	2,230	0	0	0	7,517	2,788	0	0	0
2022	19,566	447	376	2,231	0	0	0	7,519	2,786	0	0	0
2023	19,666	446	376	2,232	0	0	0	7,522	2,783	0	0	0
2024	19,766	443	376	2,232	0	0	0	7,526	2,779	0	0	0
2025	19,866	442	376	2,233	0	0	0	7,529	2,776	0	0	0
2026	19,971	440	376	2,234	0	0	0	7,533	2,772	0	0	0
2027	20,082	439	376	2,235	0	0	0	7,540	2,765	0	0	0
2028	20,192	436	376	2,237	0	0	0	7,548	2,757	0	0	0
2029	20,300	435	376	2,239	0	0	0	7,553	2,752	0	0	0
2030	20,407	433	376	2,241	0	0	0	7,559	2,746	0	0	0
2031	20,519	432	376	2,243	0	0	0	7,566	2,739	0	0	0
2032	20,629	429	376	2,245	0	0	0	7,575	2,730	0	0	0
2033	20,738	428	376	2,248	0	0	0	7,580	2,725	0	0	0
2034	20,859	426	376	2,249	0	0	0	7,590	2,715	0	0	0
2035	20,999	425	376	2,252	0	0	0	7,606	2,699	0	0	0
2036	21,137	422	376	2,256	0	0	0	7,626	2,679	0	0	0
2037	21,273	421	376	2,262	0	0	0	7,639	2,666	0	0	0
2038	21,408	420	376	2,266	0	0	0	7,656	1,946	0	0	0
2039	21,540	418	376	2,271	0	0	0	7,671	303	0	0	0
2040	21,671	415	376	2,276	0	0	0	7,689	1,737	0	0	0
2041	21,800	415	376	2,281	0	0	0	7,700	2,444	0	0	0
2042	21,927	413	376	2,284	0	0	0	7,715	2,337	0	0	0
2043	22,050	411	376	2,289	0	0	0	7,728	2,577	0	0	0
2044	22,170	409	376	2,293	0	0	0	7,743	2,562	0	0	0
2045	22,287	409	376	2,297	0	0	0	7,775	2,530	0	0	0
2046	22,403	409	376	2,305	0	0	0	7,816	2,156	0	0	0
2047	22,516	409	376	2,316	0	0	0	7,853	2,452	0	0	0
2048	22,628	409	376	2,328	0	0	0	7,893	2,079	0	0	0
2049	22,737	409	376	2,339	0	0	0	7,924	2,048	0	0	0
2050	22,845	409	376	2,349	0	0	0	7,960	2,012	0	0	0
2051	22,950	409	376	2,359	0	0	0	7,995	1,977	0	0	0
2052	23,054	409	376	2,370	0	0	0	8,032	1,225	0	0	0
2053	23,155	409	376	2,381	0	0	0	8,060	1,197	0	0	0
2054	23,255	409	376	2,390	0	0	0	8,093	2	0	0	0
2055	23,354	409	376	2,399	0	0	0	7,202	0	924	0	0
2056	23,451	409	376	2,409	0	0	0	5,861	0	929	1,372	0
2057	23,545	409	376	2,419	0	0	0	8,095	0	92	0	0
2058	23,638	409	376	2,428	0	0	0	8,218	324	0	0	0
2059	23,728	409	376	2,437	0	0	0	8,248	116	0	0	0
2060	23,817	409	376	2,445	0	0	0	8,282	81	0	0	0

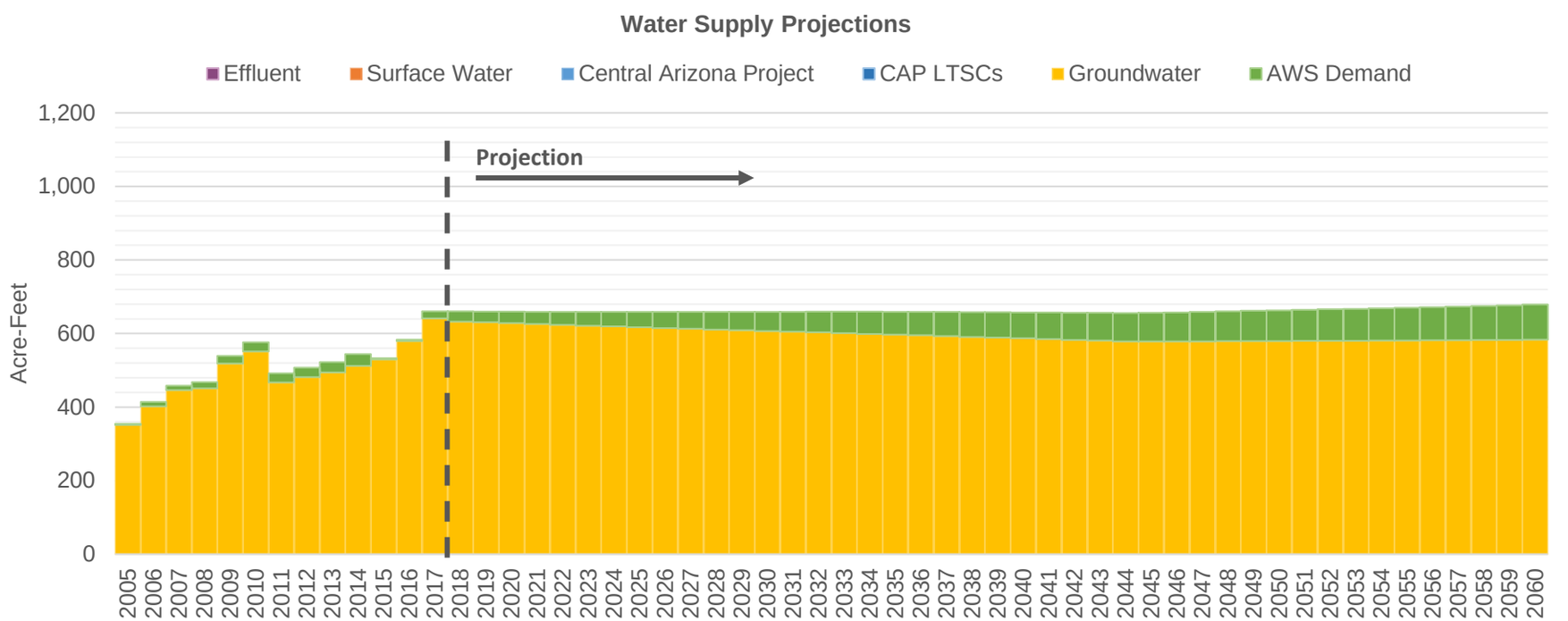
Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate

QuailCreek







Central Arizona Project Service Area Model

QuailCreek

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

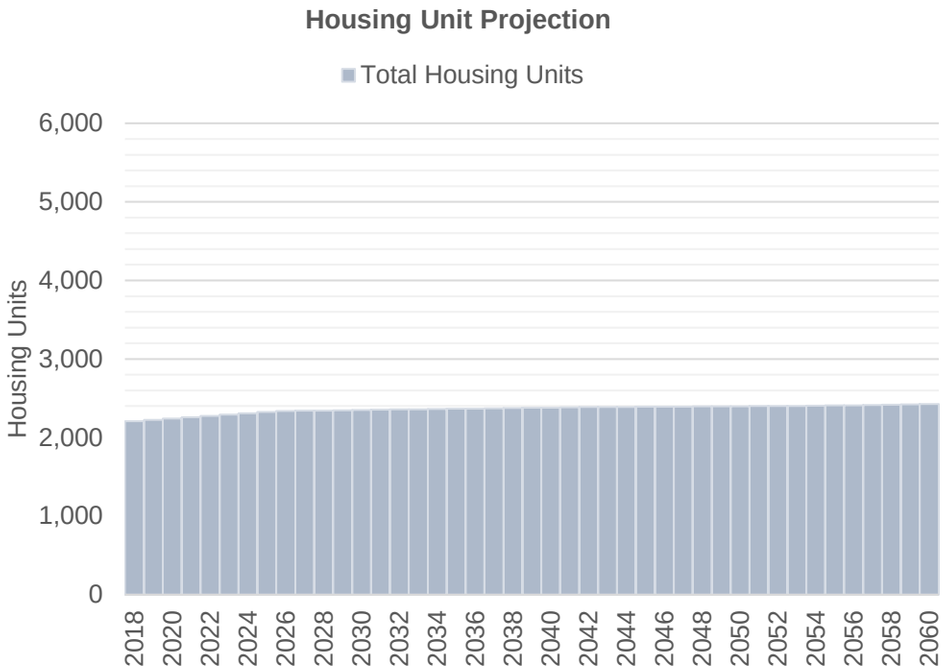
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

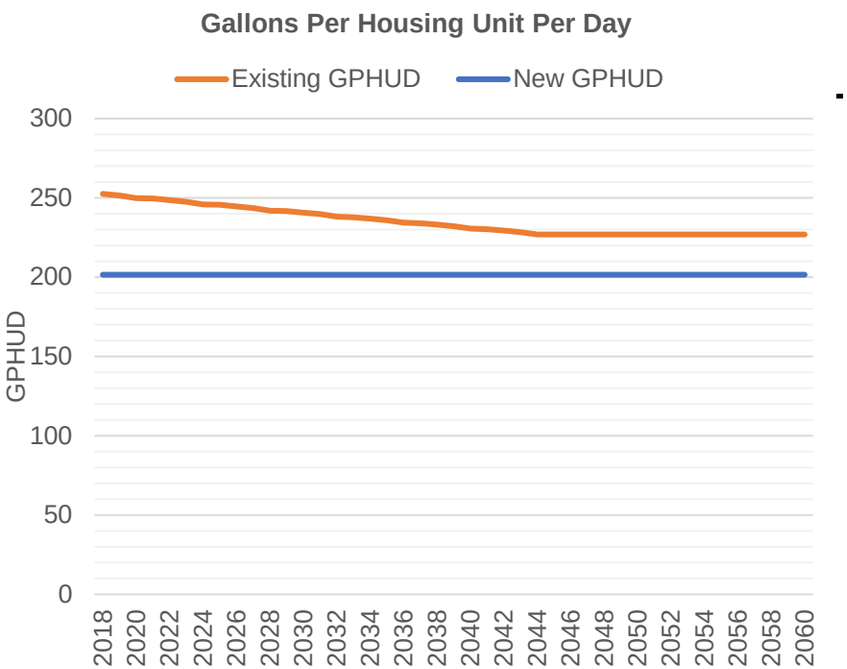
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,889	313	217	0	0	0	0	0	0	0	632	28
2019	1,899	311	217	0	0	0	0	0	0	0	631	29
2020	1,909	309	217	0	0	0	0	0	0	0	628	31
2021	1,919	309	217	0	0	0	0	0	0	0	626	33
2022	1,930	308	217	0	0	0	0	0	0	0	624	36
2023	1,940	306	217	0	0	0	0	0	0	0	621	38
2024	1,950	304	217	0	0	0	0	0	0	0	619	40
2025	1,961	304	217	0	0	0	0	0	0	0	617	42
2026	1,971	303	217	0	0	0	0	0	0	0	615	44
2027	1,982	302	217	0	0	0	0	0	0	0	613	46
2028	1,993	300	217	0	0	0	0	0	0	0	611	48
2029	2,003	299	217	0	0	0	0	0	0	0	609	50
2030	2,013	298	217	0	0	0	0	0	0	0	607	52
2031	2,024	297	217	0	0	0	0	0	0	0	605	54
2032	2.035	295	217	0	0	0	0	0	0	0	603	56
2033	2,046	294	217	0	0	0	0	0	0	0	601	58
2034	2,055	293	217	0	0	0	0	0	0	0	599	60
2035	2,064	292	217	0	0	0	0	0	0	0	597	62
2036	2,073	290	217	0	0	0	0	0	0	0	595	64
2037	2,082	290	217	0	0	0	0	0	0	0	593	66
2038	2,091	289	217	0	0	0	0	0	0	0	591	67
2039	2,099	287	217	0	0	0	0	0	0	0	589	69
2040	2,107	285	217	0	0	0	0	0	0	0	587	71
2041	2,116	285	217	0	0	0	0	0	0	0	585	72
2042	2,124	284	217	0	0	0	0	0	0	0	583	74
2043	2,131	283	217	0	0	0	0	0	0	0	581	75
2044	2,137	281	217	0	0	0	0	0	0	0	579	77
2045	2,143	281	217	0	0	0	0	0	0	0	578	78
2046	2,149	281	217	0	0	0	0	0	0	0	579	79
2047	2,155	281	217	0	0	0	0	0	0	0	579	80
2048	2,161	281	217	0	0	0	0	0	0	0	579	81
2049	2,166	281	217	0	0	0	0	0	0	0	579	83
2050	2,172	281	217	0	0	0	0	0	0	0	580	83
2051	2,177	281	217	0	0	0	0	0	0	0	580	85
2052	2,183	281	217	0	0	0	0	0	0	0	581	86
2053	2,188	281	217	0	0	0	0	0	0	0	580	87
2054	2,194	281	217	0	0	0	0	0	0	0	581	88
2055	2,201	281	217	0	0	0	0	0	0	0	581	89
2056	2,208	281	217	0	0	0	0	0	0	0	582	90
2057	2,215	281	217	0	0	0	0	0	0	0	582	92
2058	2,222	281	217	0	0	0	0	0	0	0	582	93
2059	2,228	281	217	0	0	0	0	0	0	0	583	94
2060	2,235	281	217	0	0	0	0	0	0	0	583	95

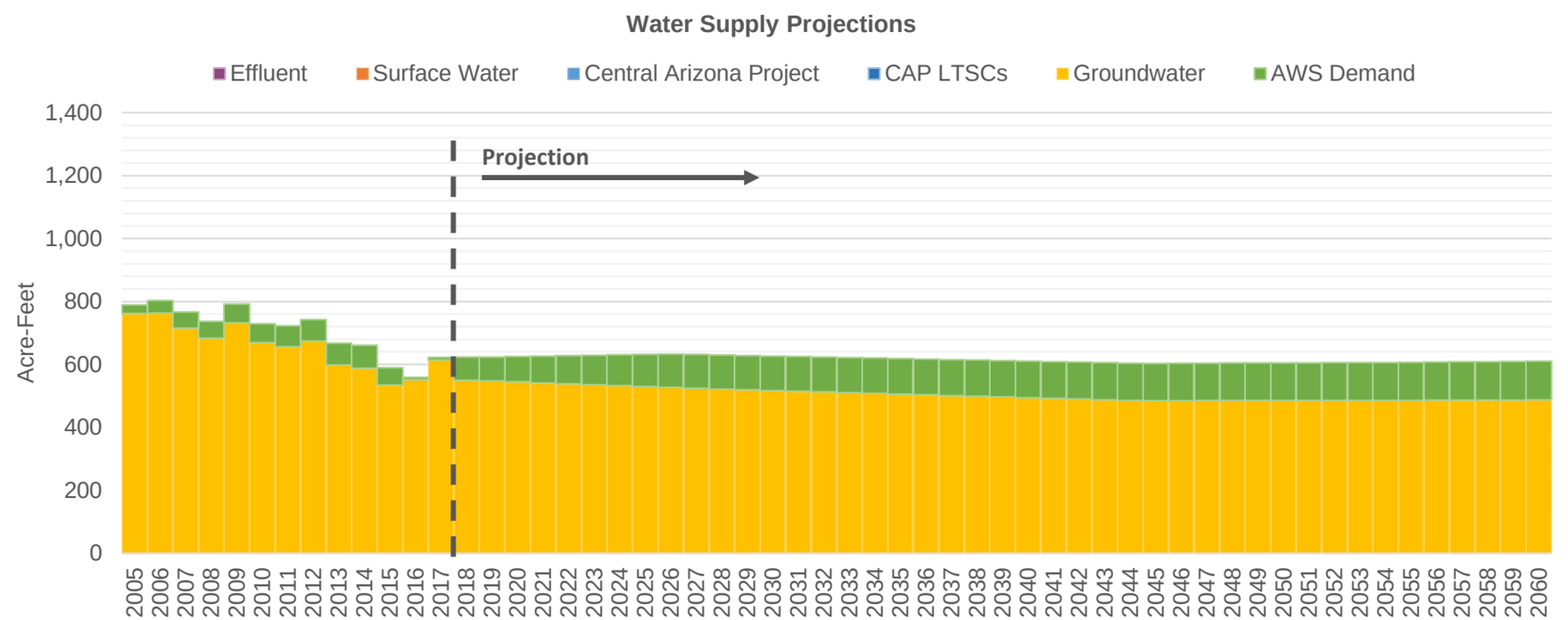
Central Arizona Project Service Area Model

RayWC

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate

RayWC

7/13/20 12:06 PM

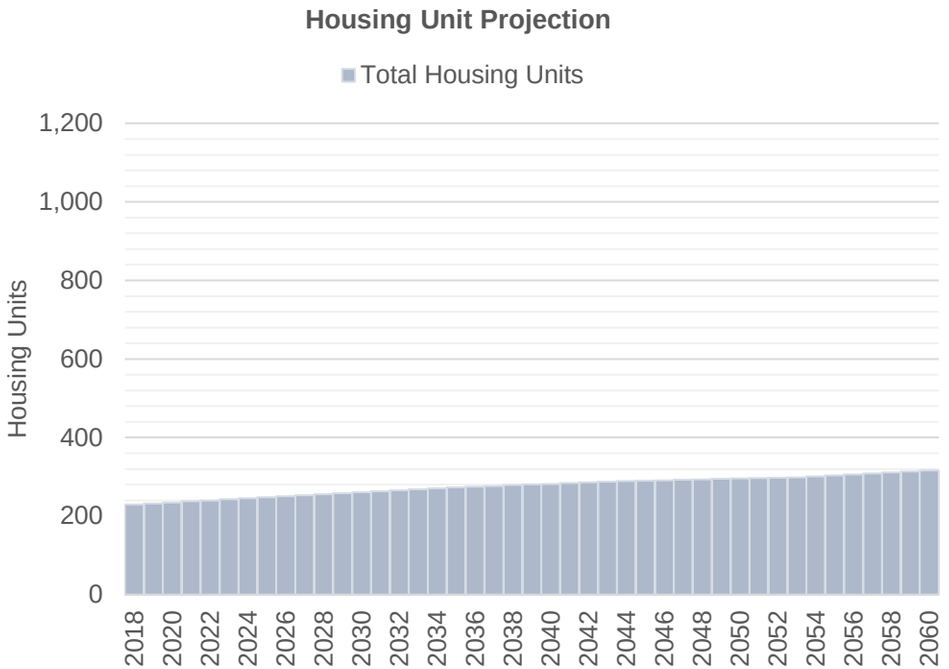
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

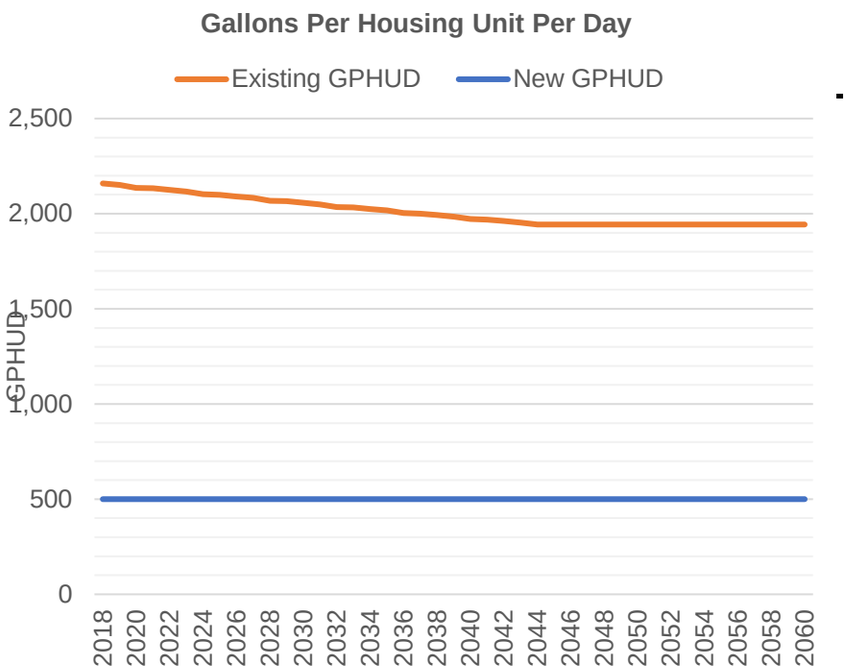
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	2,210	253	202	0	0	0	0	0	0	0	550	74
2019	2,226	252	202	0	0	0	0	0	0	0	548	76
2020	2,243	250	202	0	0	0	0	0	0	0	545	81
2021	2,260	250	202	0	0	0	0	0	0	0	541	86
2022	2,277	249	202	0	0	0	0	0	0	0	538	90
2023	2,294	248	202	0	0	0	0	0	0	0	535	94
2024	2,311	246	202	0	0	0	0	0	0	0	533	98
2025	2,328	246	202	0	0	0	0	0	0	0	530	102
2026	2,337	245	202	0	0	0	0	0	0	0	527	106
2027	2,341	244	202	0	0	0	0	0	0	0	524	108
2028	2,344	242	202	0	0	0	0	0	0	0	522	109
2029	2,347	242	202	0	0	0	0	0	0	0	519	109
2030	2,351	241	202	0	0	0	0	0	0	0	517	110
2031	2,354	240	202	0	0	0	0	0	0	0	515	111
2032	2.358	238	202	0	0	0	0	0	0	0	513	111
2033	2,361	238	202	0	0	0	0	0	0	0	510	112
2034	2,364	237	202	0	0	0	0	0	0	0	508	112
2035	2,367	236	202	0	0	0	0	0	0	0	506	113
2036	2,370	234	202	0	0	0	0	0	0	0	504	114
2037	2,373	234	202	0	0	0	0	0	0	0	501	114
2038	2,376	233	202	0	0	0	0	0	0	0	499	115
2039	2,379	232	202	0	0	0	0	0	0	0	497	115
2040	2,381	231	202	0	0	0	0	0	0	0	495	116
2041	2,384	230	202	0	0	0	0	0	0	0	492	116
2042	2,387	229	202	0	0	0	0	0	0	0	490	117
2043	2,389	228	202	0	0	0	0	0	0	0	488	117
2044	2,390	227	202	0	0	0	0	0	0	0	486	118
2045	2,392	227	202	0	0	0	0	0	0	0	485	118
2046	2,393	227	202	0	0	0	0	0	0	0	485	118
2047	2,395	227	202	0	0	0	0	0	0	0	485	118
2048	2,396	227	202	0	0	0	0	0	0	0	486	119
2049	2,397	227	202	0	0	0	0	0	0	0	486	119
2050	2,399	227	202	0	0	0	0	0	0	0	486	119
2051	2,400	227	202	0	0	0	0	0	0	0	486	119
2052	2,401	227	202	0	0	0	0	0	0	0	486	120
2053	2,402	227	202	0	0	0	0	0	0	0	486	120
2054	2,405	227	202	0	0	0	0	0	0	0	486	120
2055	2,408	227	202	0	0	0	0	0	0	0	486	120
2056	2,412	227	202	0	0	0	0	0	0	0	487	121
2057	2,415	227	202	0	0	0	0	0	0	0	487	122
2058	2,418	227	202	0	0	0	0	0	0	0	487	122
2059	2,422	227	202	0	0	0	0	0	0	0	487	123
2060	2,425	227	202	0	0	0	0	0	0	0	487	123

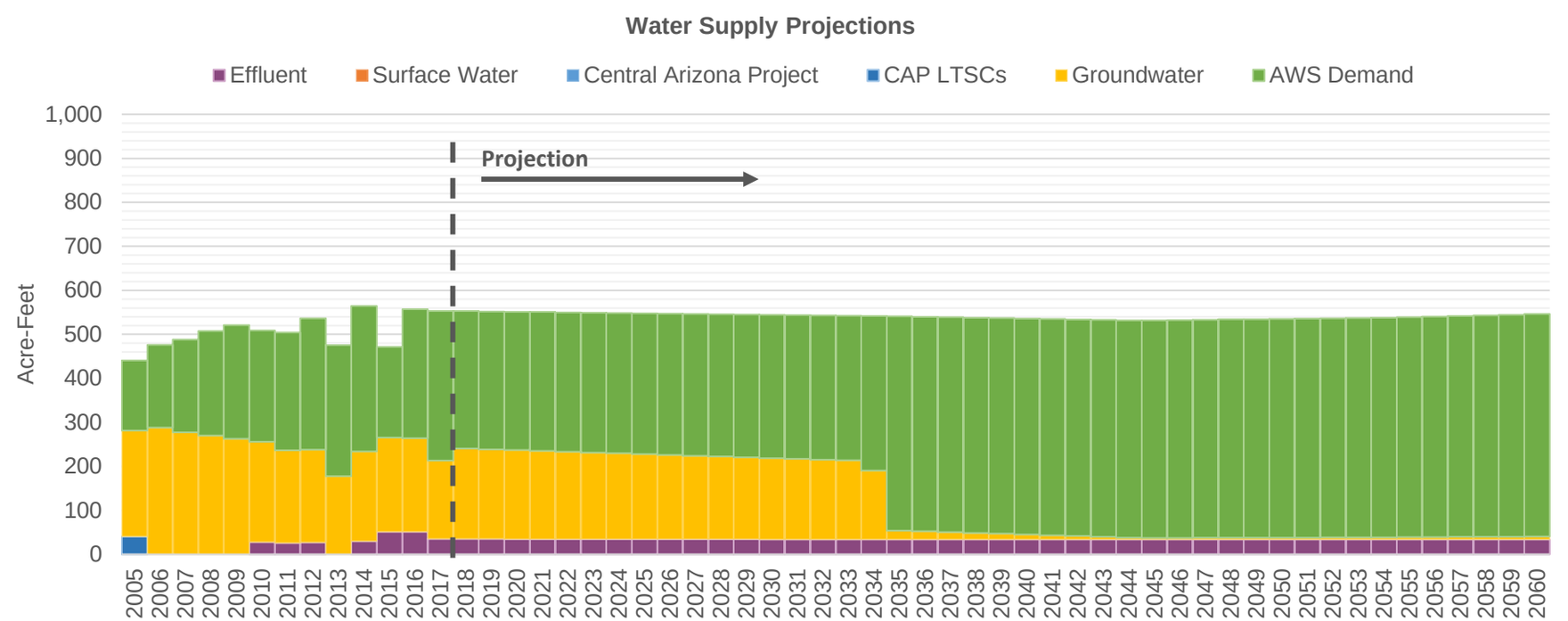
RidgeView

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

RidgeView

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

Demand Assumptions

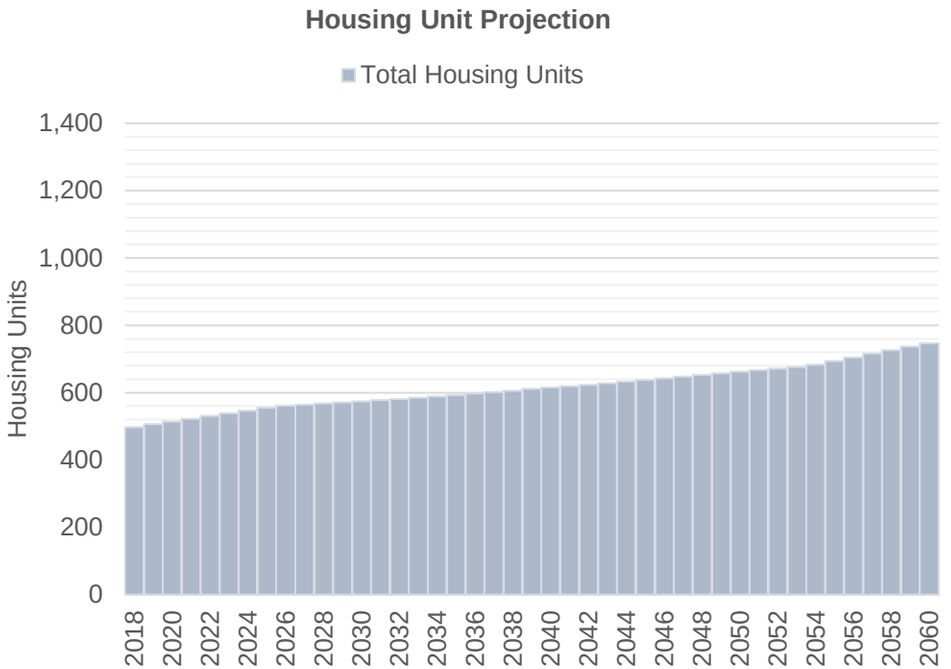
Water Supply Projections (Acre-Feet)

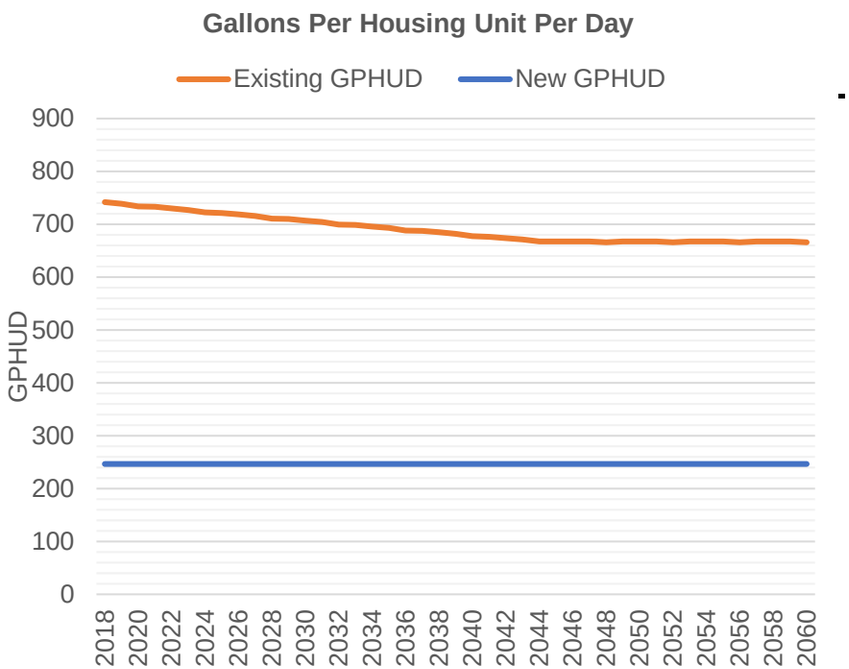
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	230	2,159	500	35	0	0	0	0	0	0	206	313
2019	232	2,150	500	35	0	0	0	0	0	0	204	313
2020	235	2,136	500	35	0	0	0	0	0	0	202	314
2021	238	2,133	500	35	0	0	0	0	0	0	200	316
2022	240	2,125	500	35	0	0	0	0	0	0	198	317
2023	243	2,116	500	35	0	0	0	0	0	0	197	318
2024	246	2,102	500	35	0	0	0	0	0	0	195	319
2025	248	2,099	500	35	0	0	0	0	0	0	193	320
2026	251	2,091	500	35	0	0	0	0	0	0	191	321
2027	253	2,083	500	35	0	0	0	0	0	0	190	322
2028	256	2,069	500	35	0	0	0	0	0	0	188	323
2029	258	2,066	500	35	0	0	0	0	0	0	186	324
2030	261	2,058	500	34	0	0	0	0	0	0	185	325
2031	263	2,049	500	34	0	0	0	0	0	0	183	327
2032	266	2,036	500	34	0	0	0	0	0	0	182	327
2033	268	2,033	500	34	0	0	0	0	0	0	180	329
2034	271	2,025	500	34	0	0	0	0	0	0	156	351
2035	273	2,017	500	34	0	0	0	0	0	0	20	487
2036	275	2,003	500	34	0	0	0	0	0	0	18	488
2037	277	2,001	500	34	0	0	0	0	0	0	17	488
2038	279	1,993	500	34	0	0	0	0	0	0	15	489
2039	281	1,985	500	34	0	0	0	0	0	0	13	490
2040	282	1,971	500	34	0	0	0	0	0	0	11	491
2041	284	1,969	500	34	0	0	0	0	0	0	10	491
2042	286	1,961	500	34	0	0	0	0	0	0	8	492
2043	288	1,953	500	34	0	0	0	0	0	0	6	493
2044	289	1,943	500	34	0	0	0	0	0	0	4	494
2045	290	1,943	500	34	0	0	0	0	0	0	4	494
2046	291	1,943	500	34	0	0	0	0	0	0	4	495
2047	293	1,943	500	34	0	0	0	0	0	0	4	495
2048	294	1,943	500	34	0	0	0	0	0	0	4	496
2049	295	1,943	500	34	0	0	0	0	0	0	4	497
2050	296	1,943	500	34	0	0	0	0	0	0	4	497
2051	297	1,943	500	34	0	0	0	0	0	0	4	497
2052	298	1,943	500	34	0	0	0	0	0	0	5	498
2053	299	1,943	500	34	0	0	0	0	0	0	5	498
2054	301	1,943	500	34	0	0	0	0	0	0	5	499
2055	304	1,943	500	34	0	0	0	0	0	0	5	500
2056	306	1,943	500	34	0	0	0	0	0	0	5	501
2057	309	1,943	500	34	0	0	0	0	0	0	6	502
2058	311	1,943	500	34	0	0	0	0	0	0	6	503
2059	314	1,943	500	34	0	0	0	0	0	0	6	504
2060	316	1,943	500	34	0	0	0	0	0	0	6	506

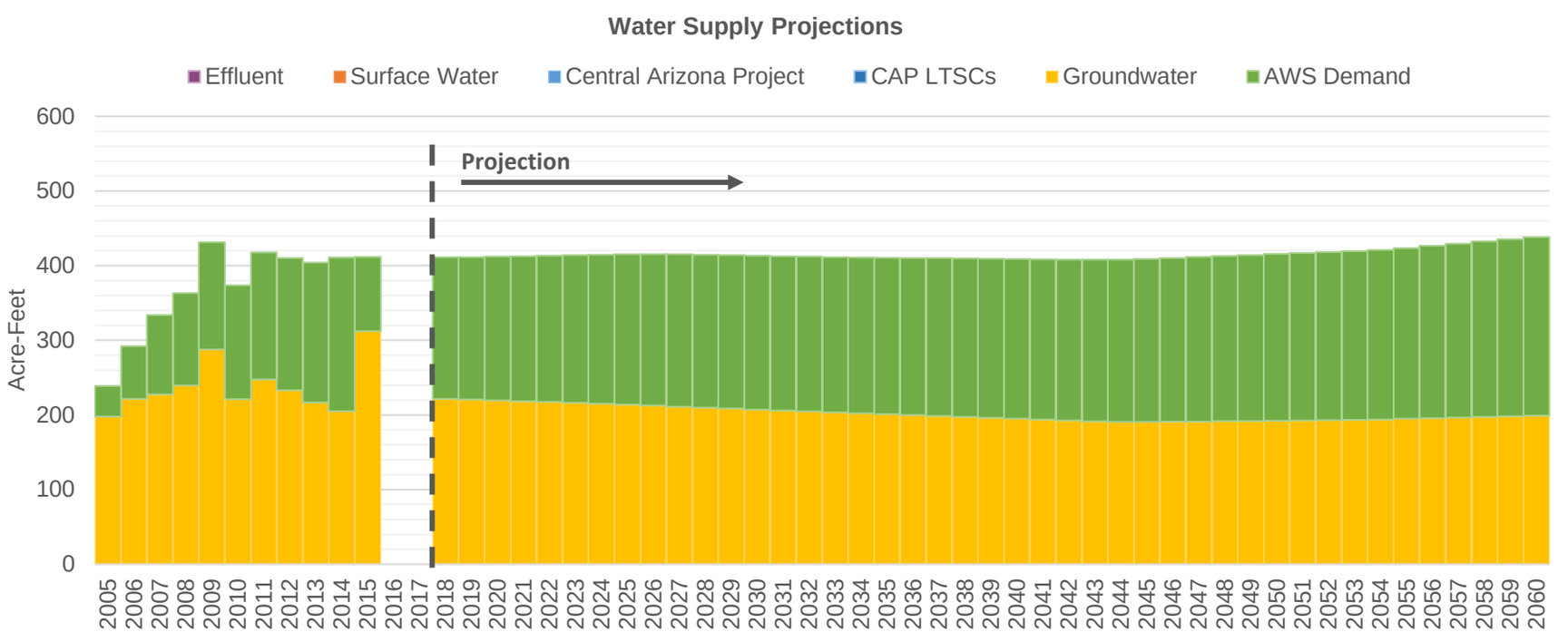
Saguaro

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

Saguaro

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

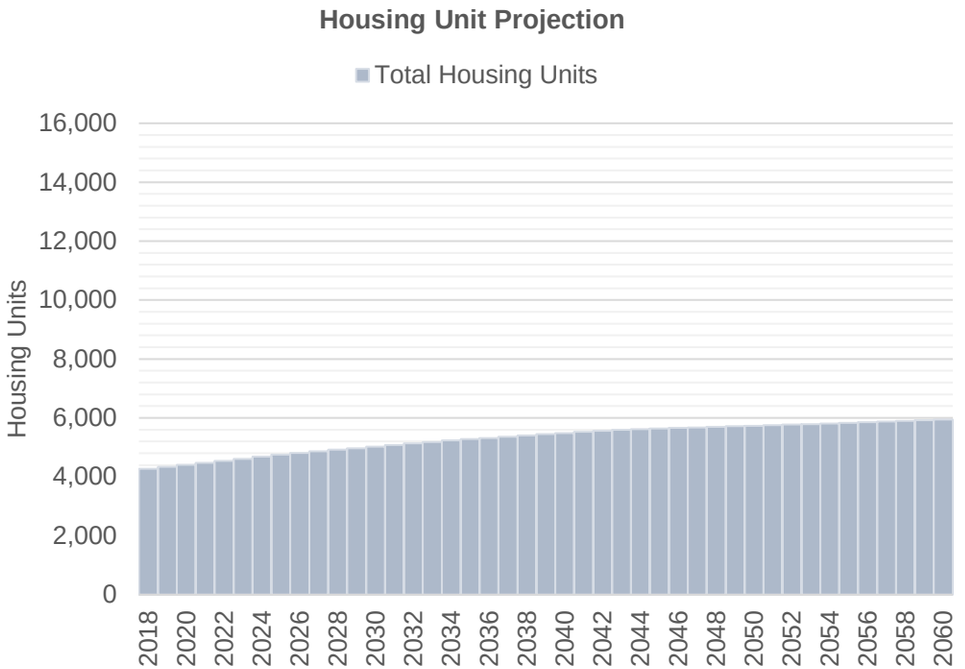
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

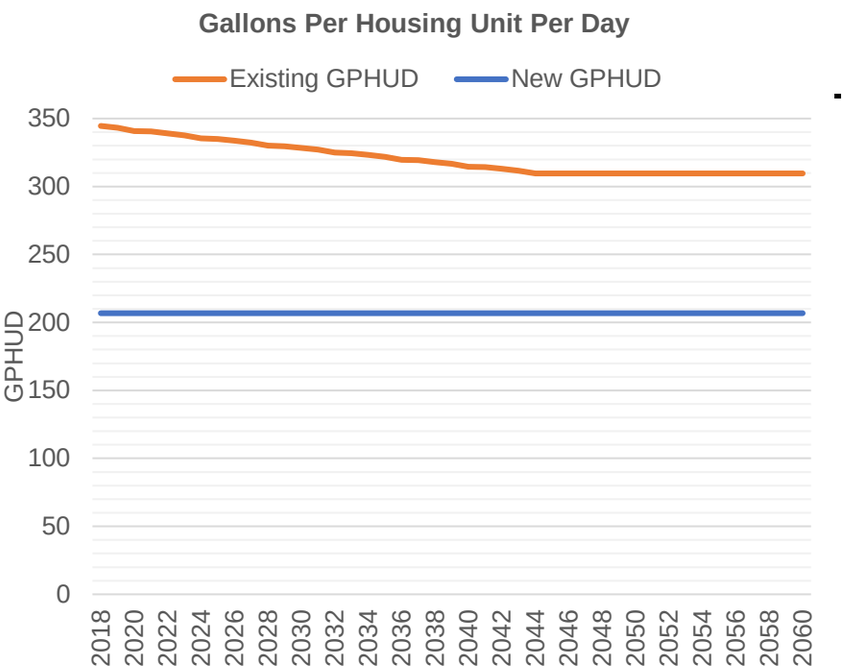
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	498	742	247	0	0	0	0	0	0	0	221	190
2019	506	739	247	0	0	0	0	0	0	0	221	191
2020	514	734	247	0	0	0	0	0	0	0	219	193
2021	522	733	247	0	0	0	0	0	0	0	218	194
2022	531	730	247	0	0	0	0	0	0	0	217	196
2023	539	727	247	0	0	0	0	0	0	0	216	198
2024	547	722	247	0	0	0	0	0	0	0	215	200
2025	555	721	247	0	0	0	0	0	0	0	214	201
2026	561	718	247	0	0	0	0	0	0	0	213	203
2027	564	716	247	0	0	0	0	0	0	0	211	204
2028	568	711	247	0	0	0	0	0	0	0	210	205
2029	571	710	247	0	0	0	0	0	0	0	209	205
2030	574	707	247	0	0	0	0	0	0	0	207	206
2031	578	704	247	0	0	0	0	0	0	0	206	207
2032	581	700	247	0	0	0	0	0	0	0	205	207
2033	585	699	247	0	0	0	0	0	0	0	203	208
2034	589	696	247	0	0	0	0	0	0	0	202	209
2035	593	693	247	0	0	0	0	0	0	0	201	210
2036	598	688	247	0	0	0	0	0	0	0	200	210
2037	602	688	247	0	0	0	0	0	0	0	199	211
2038	606	685	247	0	0	0	0	0	0	0	197	212
2039	611	682	247	0	0	0	0	0	0	0	196	213
2040	615	677	247	0	0	0	0	0	0	0	195	214
2041	619	677	247	0	0	0	0	0	0	0	194	215
2042	623	674	247	0	0	0	0	0	0	0	193	216
2043	628	671	247	0	0	0	0	0	0	0	192	216
2044	633	668	247	0	0	0	0	0	0	0	191	217
2045	638	668	247	0	0	0	0	0	0	0	190	218
2046	643	668	247	0	0	0	0	0	0	0	191	219
2047	648	668	247	0	0	0	0	0	0	0	191	220
2048	653	666	247	0	0	0	0	0	0	0	192	221
2049	658	668	247	0	0	0	0	0	0	0	192	222
2050	662	668	247	0	0	0	0	0	0	0	192	223
2051	667	668	247	0	0	0	0	0	0	0	193	224
2052	671	666	247	0	0	0	0	0	0	0	193	225
2053	676	668	247	0	0	0	0	0	0	0	193	226
2054	683	668	247	0	0	0	0	0	0	0	194	227
2055	694	668	247	0	0	0	0	0	0	0	195	229
2056	705	666	247	0	0	0	0	0	0	0	196	231
2057	716	668	247	0	0	0	0	0	0	0	197	233
2058	726	668	247	0	0	0	0	0	0	0	197	235
2059	737	668	247	0	0	0	0	0	0	0	198	237
2060	747	666	247	0	0	0	0	0	0	0	199	239

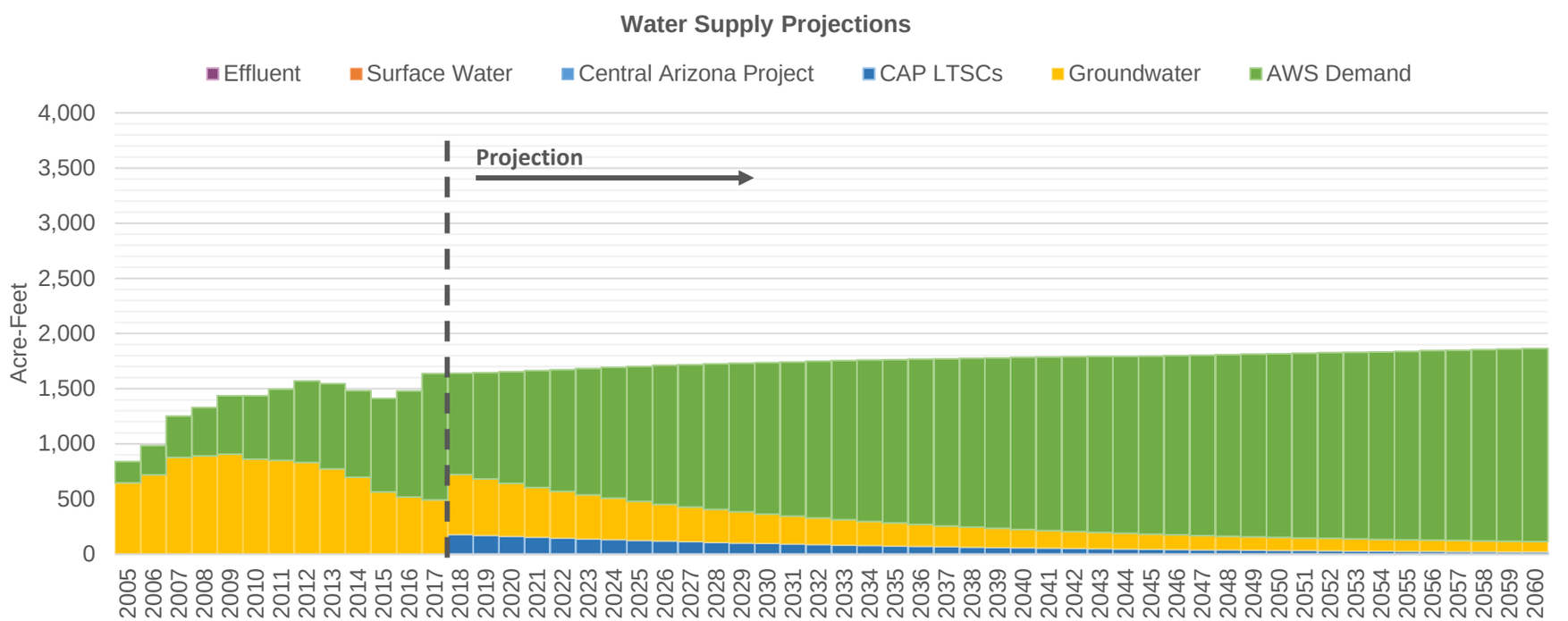
Central Arizona Project Service Area Model

Sahuarita

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

Sahuarita

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

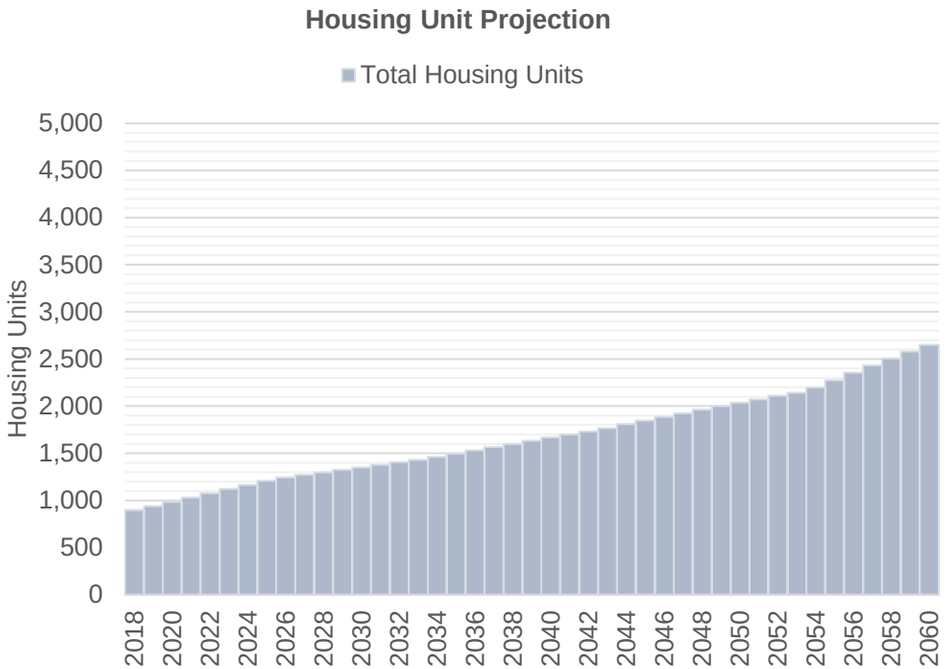
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

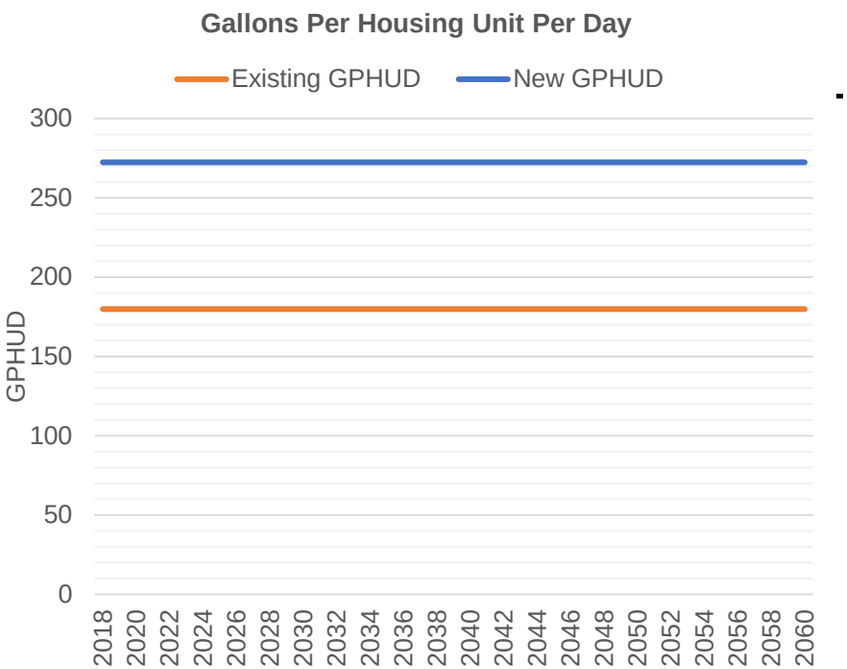
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,269	345	207	0	0	0	0	0	0	179	544	916
2019	4,337	343	207	0	0	0	0	0	0	171	510	964
2020	4,406	341	207	0	0	0	0	0	0	162	479	1,013
2021	4,475	340	207	0	0	0	0	0	0	154	450	1,059
2022	4,545	339	207	0	0	0	0	0	0	146	423	1,103
2023	4,615	338	207	0	0	0	0	0	0	139	398	1,145
2024	4,685	335	207	0	0	0	0	0	0	132	375	1,186
2025	4,756	335	207	0	0	0	0	0	0	125	354	1,223
2026	4,816	334	207	0	0	0	0	0	0	119	334	1,259
2027	4,869	332	207	0	0	0	0	0	0	113	315	1,290
2028	4,922	330	207	0	0	0	0	0	0	107	298	1,319
2029	4,974	330	207	0	0	0	0	0	0	102	282	1,346
2030	5,026	328	207	0	0	0	0	0	0	97	267	1,372
2031	5,080	327	207	0	0	0	0	0	0	92	253	1,396
2032	5.133	325	207	0	0	0	0	0	0	88	240	1.421
2033	5,186	324	207	0	0	0	0	0	0	83	228	1,443
2034	5,235	323	207	0	0	0	0	0	0	79	217	1,463
2035	5,278	322	207	0	0	0	0	0	0	75	207	1,482
2036	5,321	320	207	0	0	0	0	0	0	71	197	1,500
2037	5,364	319	207	0	0	0	0	0	0	68	188	1,516
2038	5,406	318	207	0	0	0	0	0	0	64	180	1,531
2039	5,447	317	207	0	0	0	0	0	0	61	173	1,545
2040	5,488	315	207	0	0	0	0	0	0	58	165	1,560
2041	5,528	314	207	0	0	0	0	0	0	55	159	1,572
2042	5,568	313	207	0	0	0	0	0	0	52	153	1,584
2043	5,601	312	207	0	0	0	0	0	0	50	147	1,595
2044	5,621	310	207	0	0	0	0	0	0	47	142	1,604
2045	5,641	310	207	0	0	0	0	0	0	45	137	1,613
2046	5,661	310	207	0	0	0	0	0	0	43	132	1,625
2047	5,680	310	207	0	0	0	0	0	0	41	128	1,636
2048	5,699	310	207	0	0	0	0	0	0	39	124	1,647
2049	5,717	310	207	0	0	0	0	0	0	37	120	1,656
2050	5,735	310	207	0	0	0	0	0	0	35	117	1,665
2051	5,753	310	207	0	0	0	0	0	0	33	114	1,674
2052	5,771	310	207	0	0	0	0	0	0	31	111	1,684
2053	5,788	310	207	0	0	0	0	0	0	30	108	1,691
2054	5,808	310	207	0	0	0	0	0	0	28	106	1,699
2055	5,831	310	207	0	0	0	0	0	0	27	104	1,708
2056	5,855	310	207	0	0	0	0	0	0	26	102	1,718
2057	5,877	310	207	0	0	0	0	0	0	24	100	1,726
2058	5,899	310	207	0	0	0	0	0	0	23	98	1,734
2059	5,921	310	207	0	0	0	0	0	0	22	96	1,742
2060	5,942	310	207	0	0	0	0	0	0	21	95	1,750

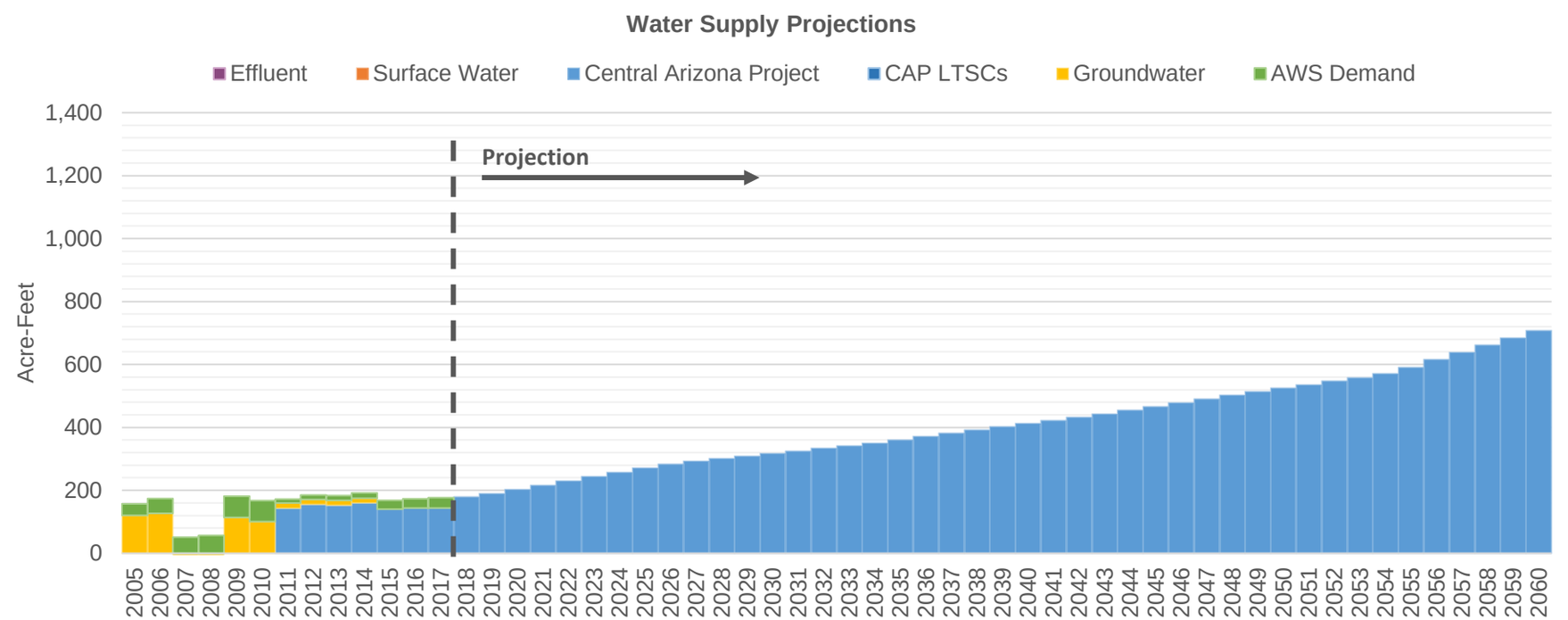
Central Arizona Project Service Area Model

SpanishTrailWC

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

SpanishTrailWC

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

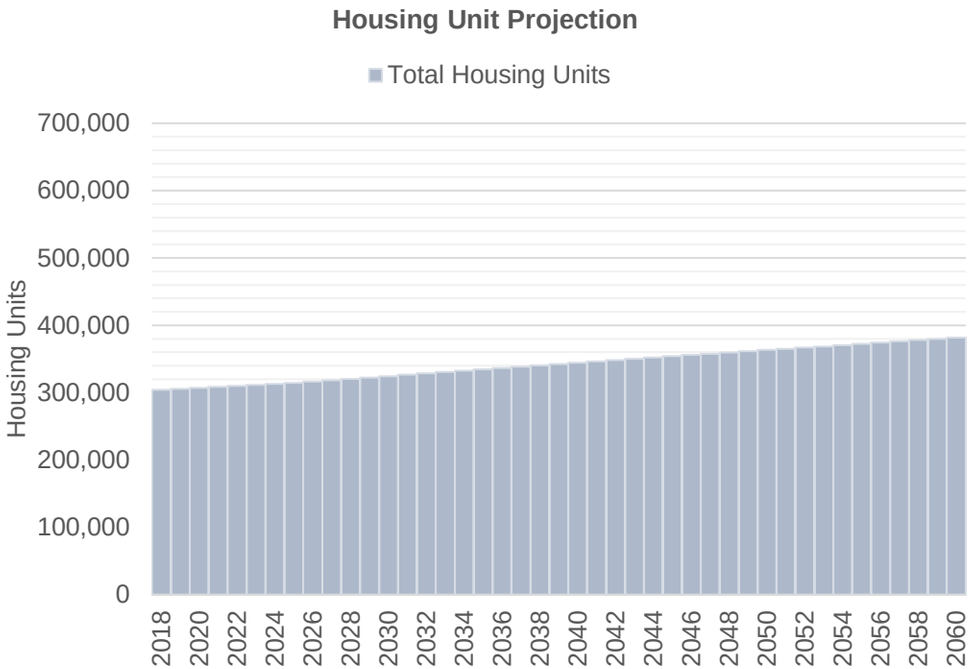
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

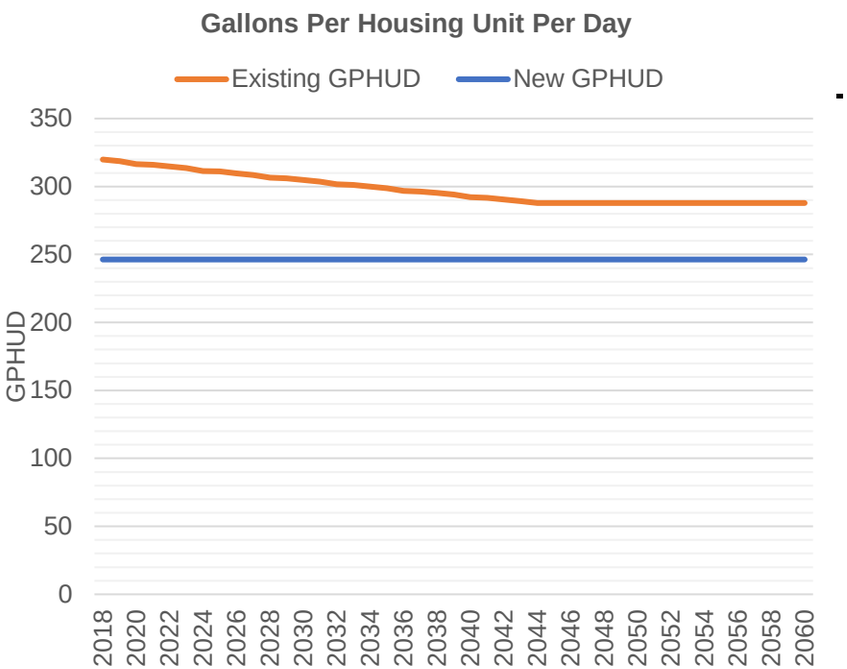
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	898	180	272	0	0	0	0	180	2,857	0	0	0
2019	941	180	272	0	0	0	0	189	2,848	0	0	0
2020	985	180	272	0	0	0	0	203	2,834	0	0	0
2021	1,030	180	272	0	0	0	0	216	2,821	0	0	0
2022	1,075	180	272	0	0	0	0	230	2,807	0	0	0
2023	1,120	180	272	0	0	0	0	244	2,793	0	0	0
2024	1,165	180	272	0	0	0	0	258	2,779	0	0	0
2025	1,210	180	272	0	0	0	0	271	2,766	0	0	0
2026	1,244	180	272	0	0	0	0	283	2,754	0	0	0
2027	1,271	180	272	0	0	0	0	293	2,744	0	0	0
2028	1,298	180	272	0	0	0	0	301	2,736	0	0	0
2029	1,324	180	272	0	0	0	0	309	2,728	0	0	0
2030	1,350	180	272	0	0	0	0	317	2,720	0	0	0
2031	1,378	180	272	0	0	0	0	325	2,712	0	0	0
2032	1.405	180	272	0	0	0	0	334	2.703	0	0	0
2033	1,431	180	272	0	0	0	0	342	2,695	0	0	0
2034	1,462	180	272	0	0	0	0	350	2,687	0	0	0
2035	1,497	180	272	0	0	0	0	360	2,677	0	0	0
2036	1,532	180	272	0	0	0	0	372	2,665	0	0	0
2037	1,566	180	272	0	0	0	0	382	2,655	0	0	0
2038	1,600	180	272	0	0	0	0	392	2,438	0	0	0
2039	1,634	180	272	0	0	0	0	402	1,948	0	0	0
2040	1,667	180	272	0	0	0	0	413	2,365	0	0	0
2041	1,700	180	272	0	0	0	0	423	2,567	0	0	0
2042	1,732	180	272	0	0	0	0	433	2,530	0	0	0
2043	1,767	180	272	0	0	0	0	443	2,594	0	0	0
2044	1,807	180	272	0	0	0	0	455	2,582	0	0	0
2045	1,847	180	272	0	0	0	0	466	2,571	0	0	0
2046	1,887	180	272	0	0	0	0	479	2,460	0	0	0
2047	1,925	180	272	0	0	0	0	491	2,546	0	0	0
2048	1,963	180	272	0	0	0	0	503	2,436	0	0	0
2049	2,001	180	272	0	0	0	0	514	2,425	0	0	0
2050	2,037	180	272	0	0	0	0	525	2,414	0	0	0
2051	2,073	180	272	0	0	0	0	536	2,403	0	0	0
2052	2,109	180	272	0	0	0	0	548	2,180	0	0	0
2053	2,143	180	272	0	0	0	0	558	2,171	0	0	0
2054	2,196	180	272	0	0	0	0	571	1,815	0	0	0
2055	2,276	180	272	0	0	0	0	591	1,531	0	0	0
2056	2,354	180	272	0	0	0	0	617	1,111	0	0	0
2057	2,431	180	272	0	0	0	0	639	1,747	0	0	0
2058	2,506	180	272	0	0	0	0	662	1,855	0	0	0
2059	2,579	180	272	0	0	0	0	685	1,780	0	0	0
2060	2,650	180	272	0	0	0	0	708	1,757	0	0	0

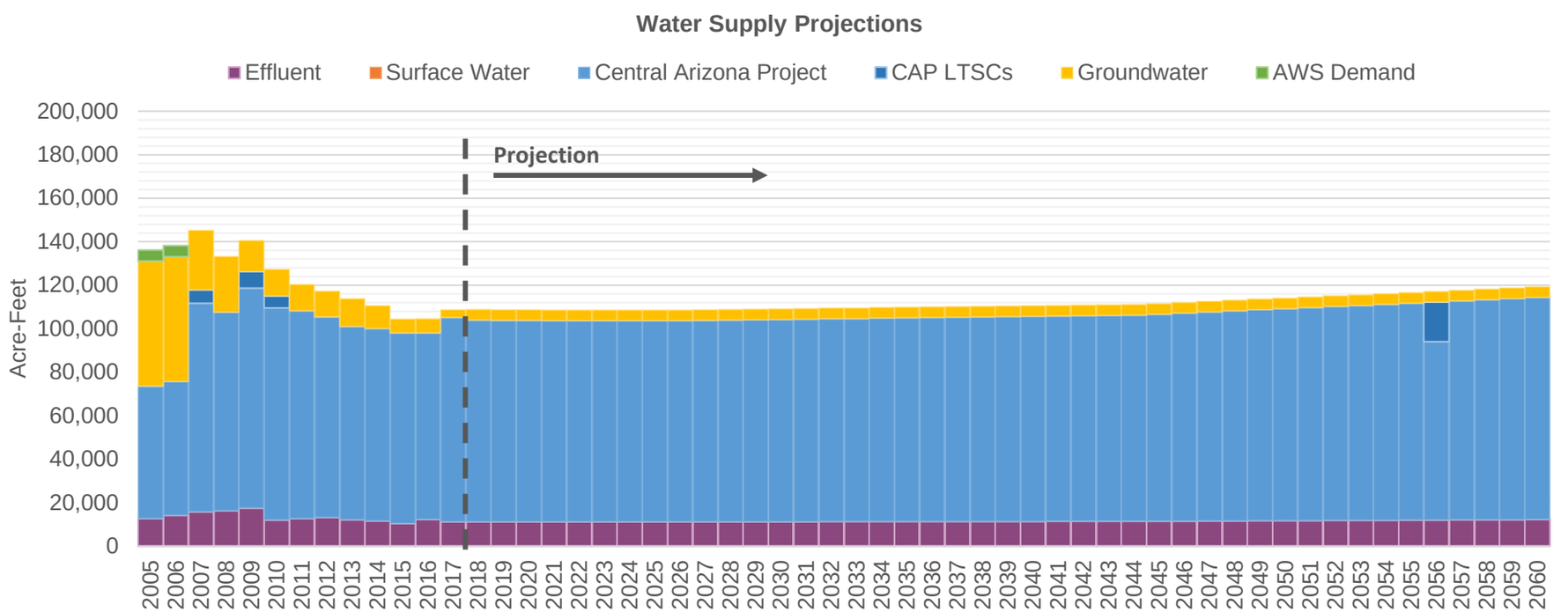
Central Arizona Project Service Area Model

Tucson

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

Tucson

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

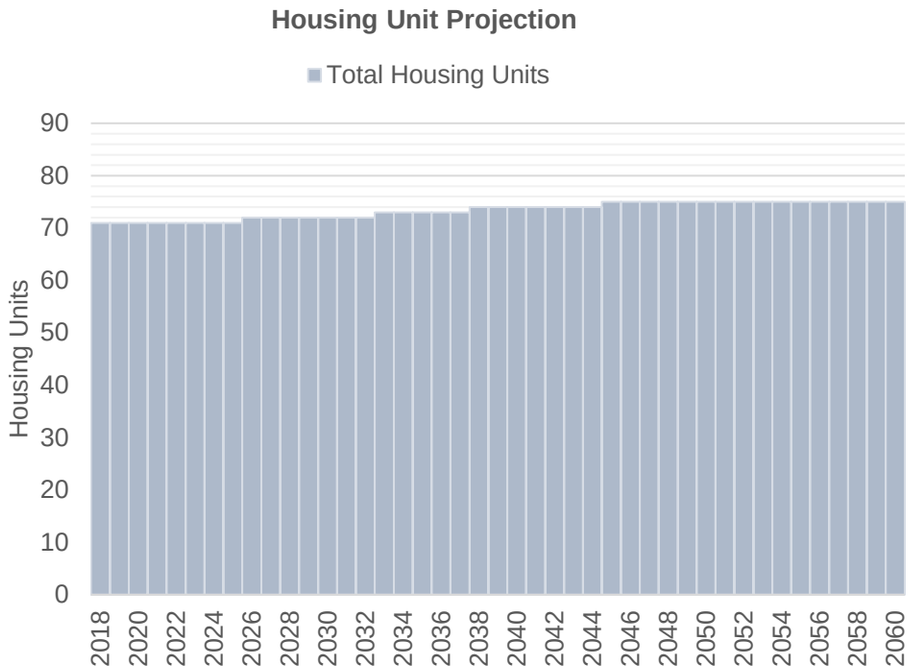
Demand Assumptions **Water Supply Projections** (Acre-Feet)

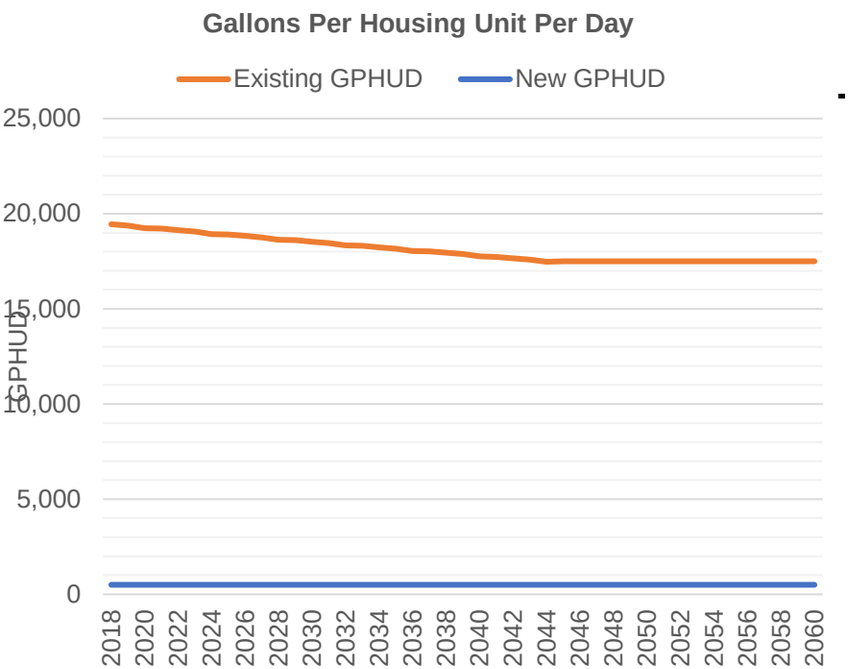
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	304,290	320	246	11,236	0	0	0	92,696	51,476	0	4,951	0
2019	305,746	319	246	11,236	0	0	0	92,551	51,621	0	4,951	0
2020	307,215	316	246	11,221	0	0	0	92,538	51,634	0	4,951	0
2021	308,698	316	246	11,218	0	0	0	92,514	51,658	0	4,951	0
2022	310,190	315	246	11,215	0	0	0	92,498	51,674	0	4,951	0
2023	311,691	314	246	11,213	0	0	0	92,484	51,688	0	4,951	0
2024	313,196	311	246	11,212	0	0	0	92,480	51,692	0	4,951	0
2025	314,705	311	246	11,211	0	0	0	92,466	51,706	0	4,951	0
2026	316,514	310	246	11,210	0	0	0	92,501	51,671	0	4,951	0
2027	318,564	309	246	11,213	0	0	0	92,609	51,563	0	4,951	0
2028	320,587	306	246	11,225	0	0	0	92,752	51,420	0	4,951	0
2029	322,582	306	246	11,241	0	0	0	92,860	51,312	0	4,951	0
2030	324,548	305	246	11,253	0	0	0	92,977	51,195	0	4,951	0
2031	326,605	304	246	11,267	0	0	0	93,104	51,068	0	4,951	0
2032	328,640	302	246	11,281	0	0	0	93,259	50,913	0	4,951	0
2033	330,653	301	246	11,299	0	0	0	93,370	50,802	0	4,951	0
2034	332,674	300	246	11,312	0	0	0	93,504	50,668	0	4,951	0
2035	334,718	299	246	11,327	0	0	0	93,642	50,530	0	4,951	0
2036	336,737	297	246	11,343	0	0	0	93,804	50,368	0	4,951	0
2037	338,730	296	246	11,361	0	0	0	93,910	50,262	0	4,951	0
2038	340,697	295	246	11,374	0	0	0	94,040	40,294	0	4,951	0
2039	342,637	294	246	11,389	0	0	0	94,163	17,407	0	4,951	0
2040	344,551	292	246	11,403	0	0	0	94,310	37,571	0	4,951	0
2041	346,436	292	246	11,420	0	0	0	94,389	47,531	0	4,951	0
2042	348,294	291	246	11,430	0	0	0	94,499	46,140	0	4,951	0
2043	350,185	289	246	11,442	0	0	0	94,608	49,564	0	4,951	0
2044	352,172	288	246	11,455	0	0	0	94,773	49,399	0	4,951	0
2045	354,127	288	246	11,473	0	0	0	95,150	49,022	0	4,951	0
2046	356,050	288	246	11,514	0	0	0	95,644	43,870	0	4,951	0
2047	357,939	288	246	11,569	0	0	0	96,115	48,057	0	4,951	0
2048	359,796	288	246	11,623	0	0	0	96,619	42,895	0	4,951	0
2049	361,619	288	246	11,681	0	0	0	97,027	42,486	0	4,951	0
2050	363,408	288	246	11,729	0	0	0	97,477	42,036	0	4,951	0
2051	365,163	288	246	11,780	0	0	0	97,915	41,598	0	4,951	0
2052	366,885	288	246	11,831	0	0	0	98,391	31,120	0	4,951	0
2053	368,573	288	246	11,885	0	0	0	98,760	30,751	0	4,951	0
2054	370,381	288	246	11,929	0	0	0	99,199	14,060	0	4,951	0
2055	372,385	288	246	11,979	0	0	0	99,675	1,081	0	4,951	0
2056	374,348	288	246	12,033	0	0	0	82,002	0	18,218	4,951	0
2057	376,268	288	246	12,095	0	0	0	100,642	12,617	0	4,951	0
2058	378,146	288	246	12,145	0	0	0	101,116	18,394	0	4,951	0
2059	379,981	288	246	12,199	0	0	0	101,574	15,435	0	4,951	0
2060	381,775	288	246	12,251	0	0	0	102,081	14,929	0	4,951	0

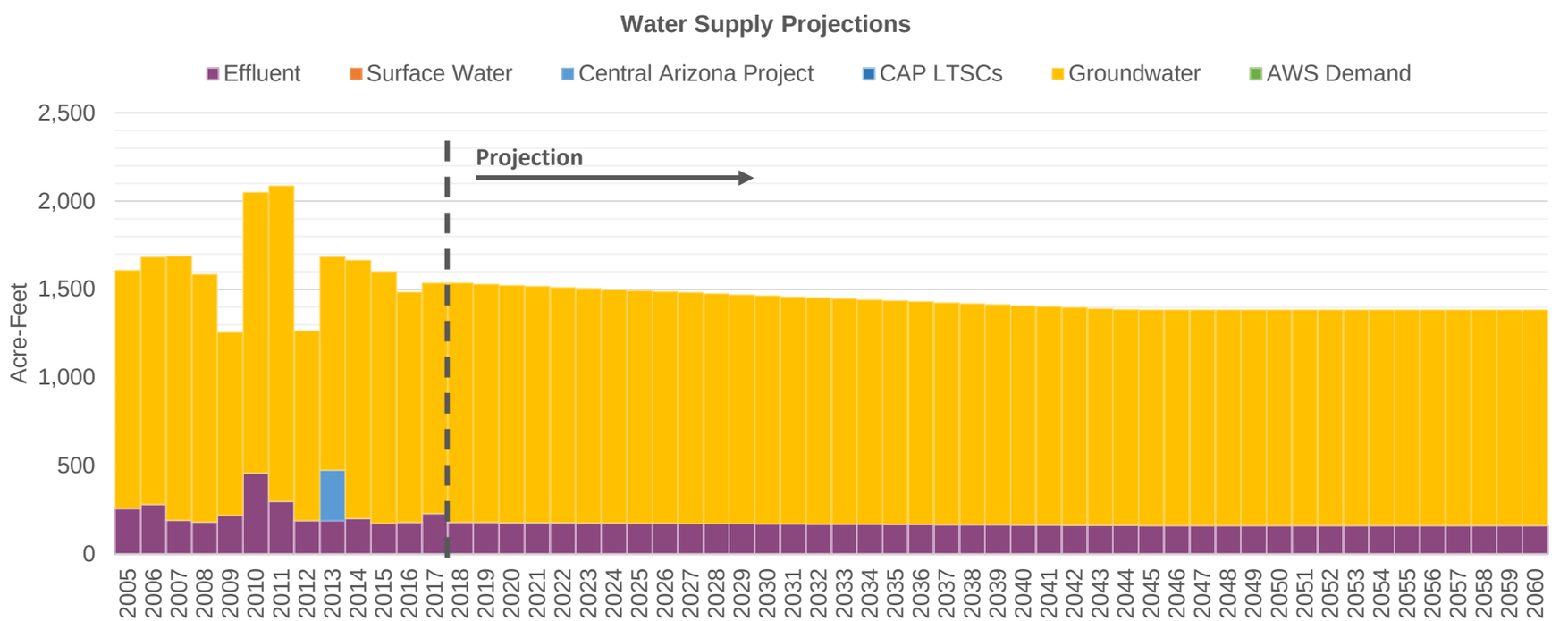
UniversityofAZ

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

UniversityofAZ

D. Slow, Compact, Very Dry Climate

7/13/20 12:06 PM

Demand Assumptions

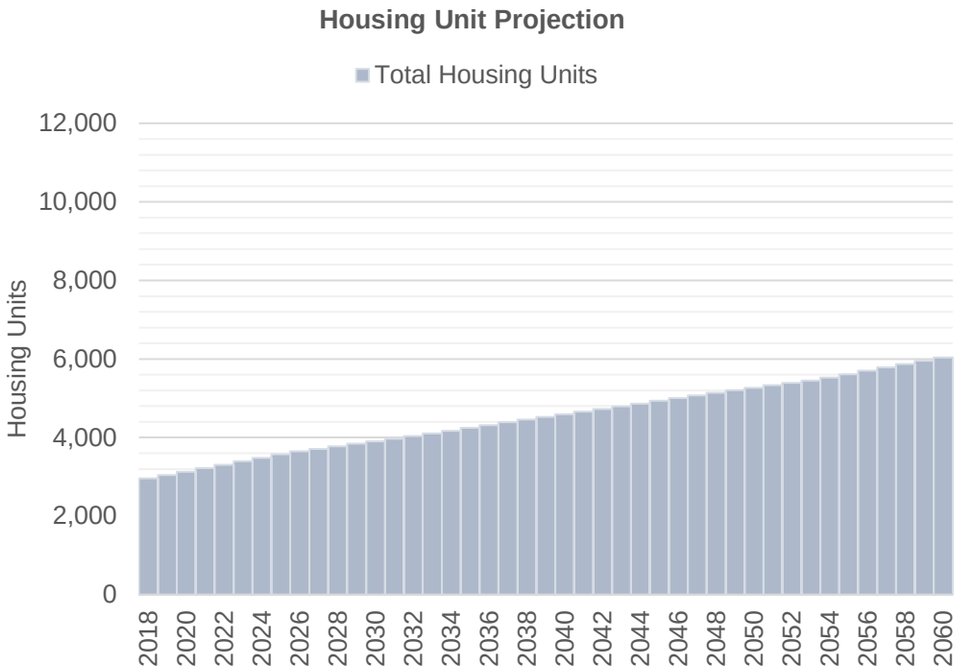
Water Supply Projections (Acre-Feet)

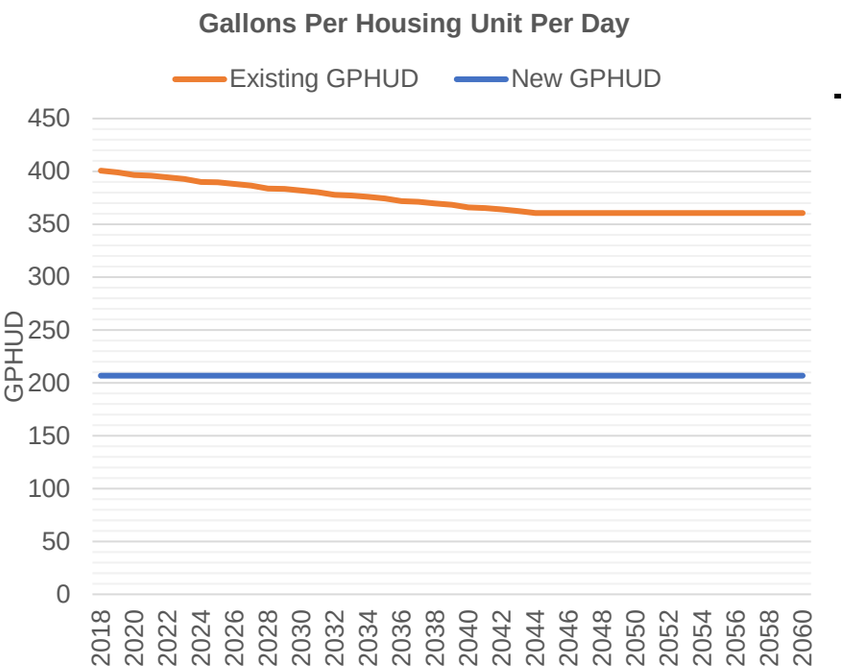
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	71	19,446	500	180	0	0	0	0	0	0	1,356	0
2019	71	19,368	500	180	0	0	0	0	0	0	1,350	0
2020	71	19,238	500	179	0	0	0	0	0	0	1,345	0
2021	71	19,214	500	179	0	0	0	0	0	0	1,339	0
2022	71	19,137	500	178	0	0	0	0	0	0	1,334	0
2023	71	19,060	500	177	0	0	0	0	0	0	1,329	0
2024	71	18,932	500	176	0	0	0	0	0	0	1,324	0
2025	71	18,908	500	176	0	0	0	0	0	0	1,318	0
2026	72	18,832	500	175	0	0	0	0	0	0	1,313	0
2027	72	18,757	500	174	0	0	0	0	0	0	1,308	0
2028	72	18,631	500	174	0	0	0	0	0	0	1,303	0
2029	72	18,607	500	173	0	0	0	0	0	0	1,298	0
2030	72	18,533	500	172	0	0	0	0	0	0	1,293	0
2031	72	18,459	500	172	0	0	0	0	0	0	1,287	0
2032	72	18,335	500	171	0	0	0	0	0	0	1,282	0
2033	73	18,311	500	170	0	0	0	0	0	0	1,277	0
2034	73	18,238	500	170	0	0	0	0	0	0	1,272	0
2035	73	18,165	500	169	0	0	0	0	0	0	1,267	0
2036	73	18,043	500	168	0	0	0	0	0	0	1,262	0
2037	73	18,020	500	168	0	0	0	0	0	0	1,257	0
2038	74	17,948	500	167	0	0	0	0	0	0	1,252	0
2039	74	17,876	500	166	0	0	0	0	0	0	1,248	0
2040	74	17,756	500	166	0	0	0	0	0	0	1,243	0
2041	74	17,733	500	165	0	0	0	0	0	0	1,238	0
2042	74	17,663	500	164	0	0	0	0	0	0	1,233	0
2043	74	17,592	500	164	0	0	0	0	0	0	1,228	0
2044	74	17,474	500	163	0	0	0	0	0	0	1,223	0
2045	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2046	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2047	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2048	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2049	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2050	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2051	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2052	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2053	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2054	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2055	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2056	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2057	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2058	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2059	75	17,501	500	162	0	0	0	0	0	0	1,223	0
2060	75	17,501	500	162	0	0	0	0	0	0	1,223	0

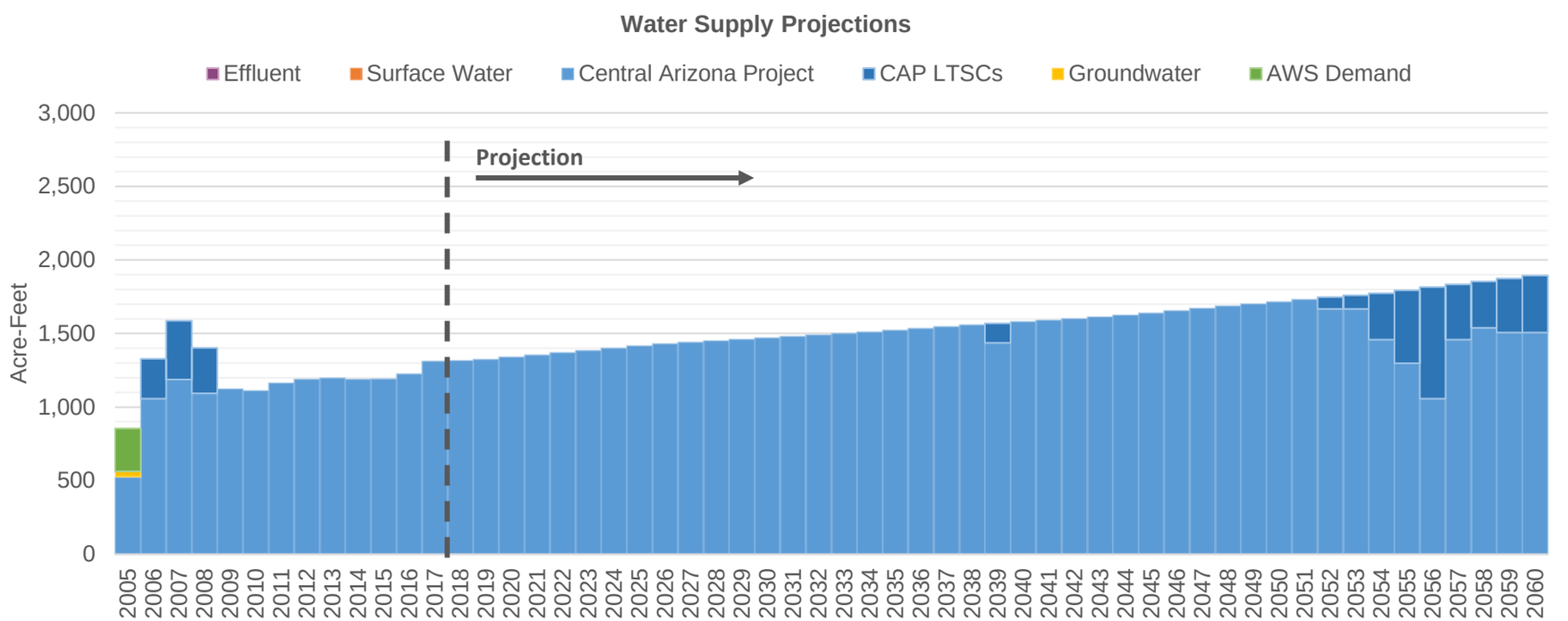
VailWC

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

VailWC

D. Slow, Compact, Very Dry Climate

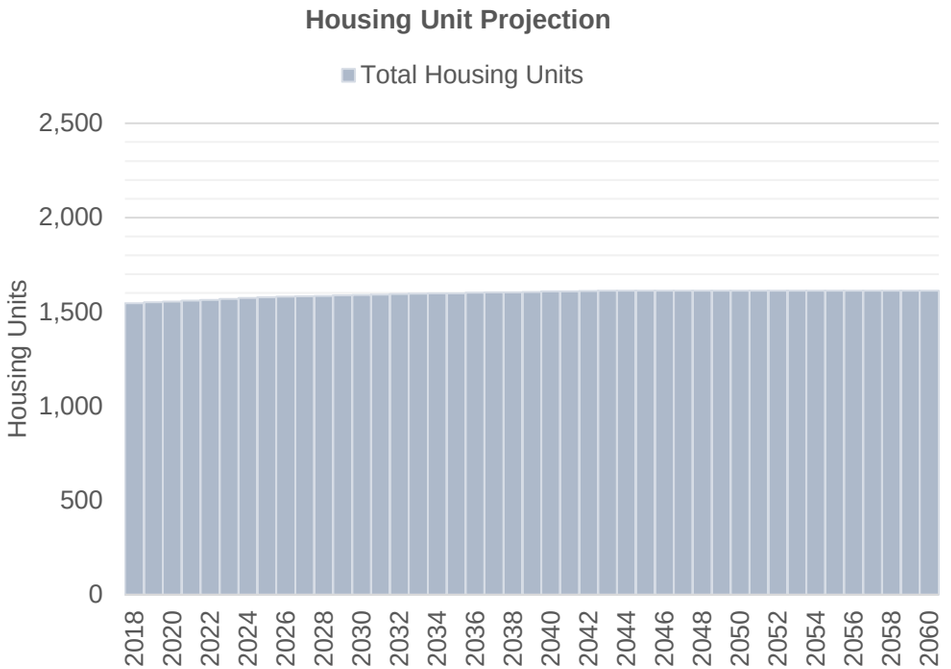
7/13/20 12:06 PM

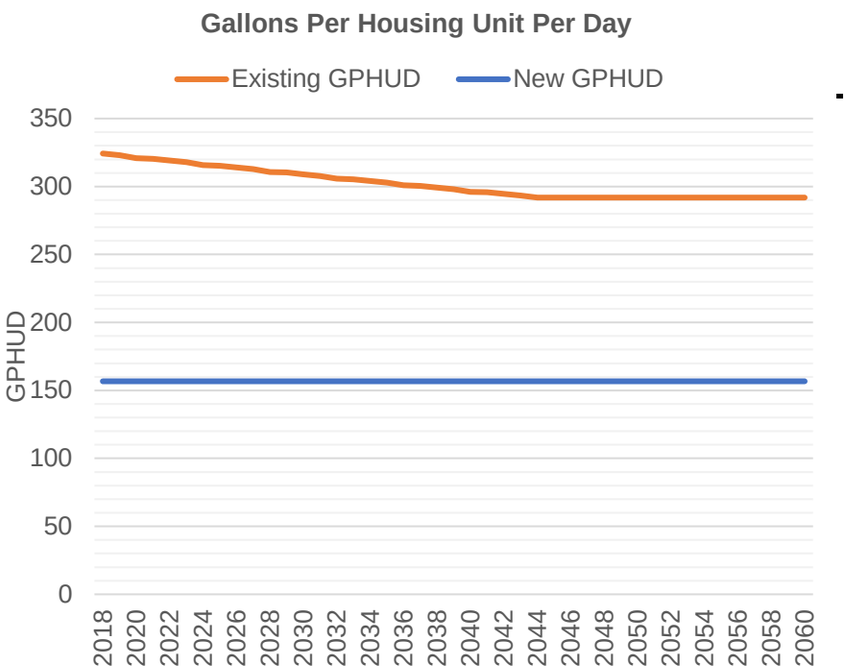
Date	Demand Assumptions: Housing Units	GPHUD		Water Supply Projections (Acre-Feet): Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	2,960	401	207	0	0	0	0	1,316	541	0	0	0
2019	3,046	399	207	0	0	0	0	1,325	532	0	0	0
2020	3,132	396	207	0	0	0	0	1,340	517	0	0	0
2021	3,220	396	207	0	0	0	0	1,355	502	0	0	0
2022	3,307	394	207	0	0	0	0	1,370	487	0	0	0
2023	3,396	393	207	0	0	0	0	1,385	472	0	0	0
2024	3,484	390	207	0	0	0	0	1,401	456	0	0	0
2025	3,573	390	207	0	0	0	0	1,416	441	0	0	0
2026	3,647	388	207	0	0	0	0	1,430	427	0	0	0
2027	3,713	387	207	0	0	0	0	1,441	416	0	0	0
2028	3,779	384	207	0	0	0	0	1,451	406	0	0	0
2029	3,843	383	207	0	0	0	0	1,461	396	0	0	0
2030	3,906	382	207	0	0	0	0	1,471	386	0	0	0
2031	3,973	380	207	0	0	0	0	1,481	376	0	0	0
2032	4.038	378	207	0	0	0	0	1.492	365	0	0	0
2033	4,103	377	207	0	0	0	0	1,501	356	0	0	0
2034	4,171	376	207	0	0	0	0	1,512	345	0	0	0
2035	4,244	374	207	0	0	0	0	1,523	334	0	0	0
2036	4,316	372	207	0	0	0	0	1,536	321	0	0	0
2037	4,387	371	207	0	0	0	0	1,547	310	0	0	0
2038	4,457	370	207	0	0	0	0	1,558	172	0	0	0
2039	4,526	368	207	0	0	0	0	1,437	0	132	0	0
2040	4,594	366	207	0	0	0	0	1,581	117	0	0	0
2041	4,661	365	207	0	0	0	0	1,591	237	0	0	0
2042	4,727	364	207	0	0	0	0	1,602	210	0	0	0
2043	4,795	363	207	0	0	0	0	1,613	244	0	0	0
2044	4,866	361	207	0	0	0	0	1,625	232	0	0	0
2045	4,935	361	207	0	0	0	0	1,639	218	0	0	0
2046	5,004	361	207	0	0	0	0	1,655	142	0	0	0
2047	5,071	361	207	0	0	0	0	1,670	187	0	0	0
2048	5,138	361	207	0	0	0	0	1,687	110	0	0	0
2049	5,203	361	207	0	0	0	0	1,701	96	0	0	0
2050	5,267	361	207	0	0	0	0	1,716	81	0	0	0
2051	5,329	361	207	0	0	0	0	1,731	66	0	0	0
2052	5,391	361	207	0	0	0	0	1,668	0	79	0	0
2053	5,451	361	207	0	0	0	0	1,668	0	91	0	0
2054	5,523	361	207	0	0	0	0	1,459	0	316	0	0
2055	5,613	361	207	0	0	0	0	1,298	0	496	0	0
2056	5,702	361	207	0	0	0	0	1,056	0	760	0	0
2057	5,788	361	207	0	0	0	0	1,459	0	376	0	0
2058	5,873	361	207	0	0	0	0	1,539	0	315	0	0
2059	5,955	361	207	0	0	0	0	1,507	0	366	0	0
2060	6,036	361	207	0	0	0	0	1,507	0	387	0	0

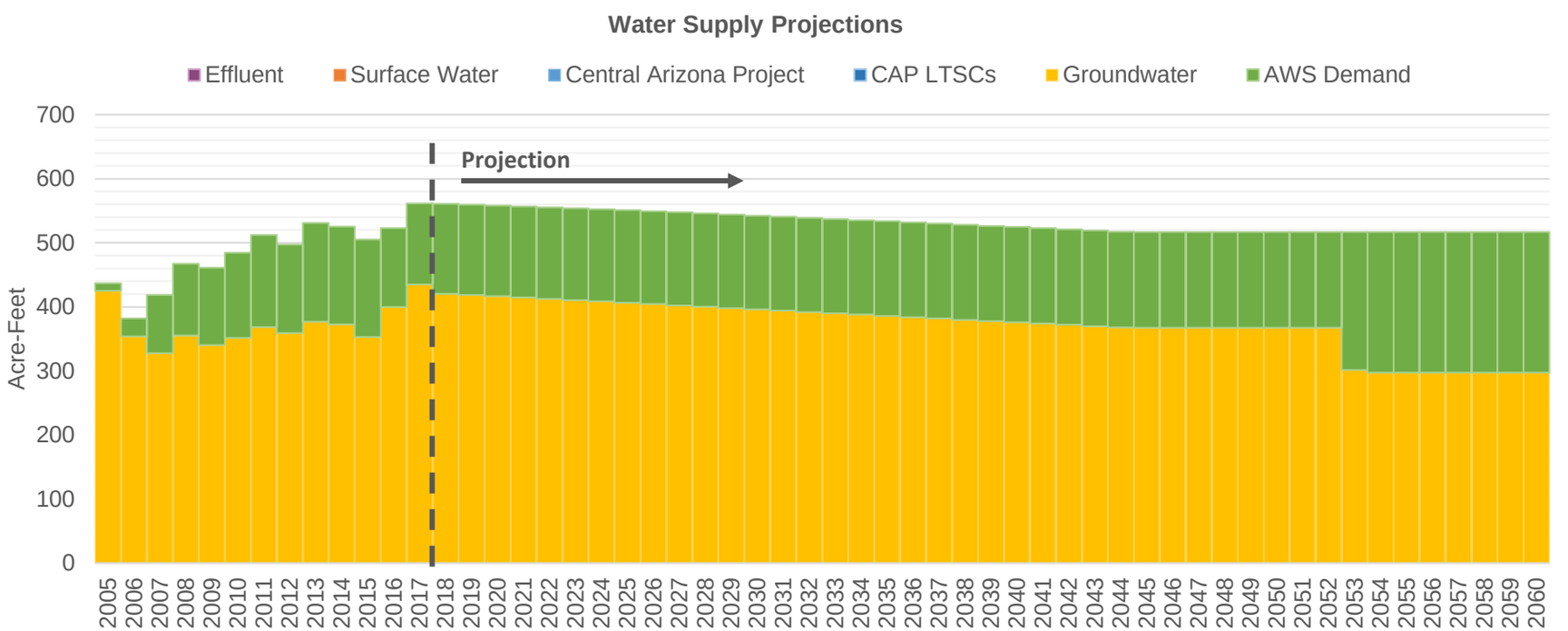
VoyagerWC

Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate







Central Arizona Project Service Area Model

D. Slow, Compact, Very Dry Climate

VoyagerWC

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Demand Assumptions **Water Supply Projections** (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,546	324	157	0	0	0	0	0	0	0	421	141
2019	1,551	323	157	0	0	0	0	0	0	0	419	141
2020	1,555	321	157	0	0	0	0	0	0	0	417	141
2021	1,560	320	157	0	0	0	0	0	0	0	415	142
2022	1,564	319	157	0	0	0	0	0	0	0	412	143
2023	1,569	318	157	0	0	0	0	0	0	0	411	143
2024	1,574	316	157	0	0	0	0	0	0	0	409	144
2025	1,578	315	157	0	0	0	0	0	0	0	407	145
2026	1,581	314	157	0	0	0	0	0	0	0	404	145
2027	1,583	313	157	0	0	0	0	0	0	0	402	145
2028	1,585	311	157	0	0	0	0	0	0	0	400	146
2029	1,587	310	157	0	0	0	0	0	0	0	398	146
2030	1,589	309	157	0	0	0	0	0	0	0	396	146
2031	1,592	308	157	0	0	0	0	0	0	0	394	146
2032	1,594	306	157	0	0	0	0	0	0	0	392	147
2033	1,596	305	157	0	0	0	0	0	0	0	390	147
2034	1,598	304	157	0	0	0	0	0	0	0	388	147
2035	1,599	303	157	0	0	0	0	0	0	0	386	148
2036	1,601	301	157	0	0	0	0	0	0	0	384	148
2037	1,603	301	157	0	0	0	0	0	0	0	382	148
2038	1,604	299	157	0	0	0	0	0	0	0	380	148
2039	1,606	298	157	0	0	0	0	0	0	0	378	148
2040	1,608	296	157	0	0	0	0	0	0	0	376	149
2041	1,609	296	157	0	0	0	0	0	0	0	374	149
2042	1,611	295	157	0	0	0	0	0	0	0	372	149
2043	1,612	293	157	0	0	0	0	0	0	0	370	149
2044	1,612	292	157	0	0	0	0	0	0	0	368	149
2045	1,612	292	157	0	0	0	0	0	0	0	367	149
2046	1,612	292	157	0	0	0	0	0	0	0	367	149
2047	1,612	292	157	0	0	0	0	0	0	0	367	149
2048	1,612	292	157	0	0	0	0	0	0	0	367	149
2049	1,612	292	157	0	0	0	0	0	0	0	367	149
2050	1,612	292	157	0	0	0	0	0	0	0	367	149
2051	1,612	292	157	0	0	0	0	0	0	0	367	149
2052	1,612	292	157	0	0	0	0	0	0	0	367	149
2053	1,612	292	157	0	0	0	0	0	0	0	301	215
2054	1,612	292	157	0	0	0	0	0	0	0	297	220
2055	1,612	292	157	0	0	0	0	0	0	0	297	220
2056	1,612	292	157	0	0	0	0	0	0	0	297	220
2057	1,612	292	157	0	0	0	0	0	0	0	297	220
2058	1,612	292	157	0	0	0	0	0	0	0	297	220
2059	1,612	292	157	0	0	0	0	0	0	0	297	220
2060	1,612	292	157	0	0	0	0	0	0	0	297	220

CAP:SAM Supply and Demand Projections by Water Provider

Scenario E

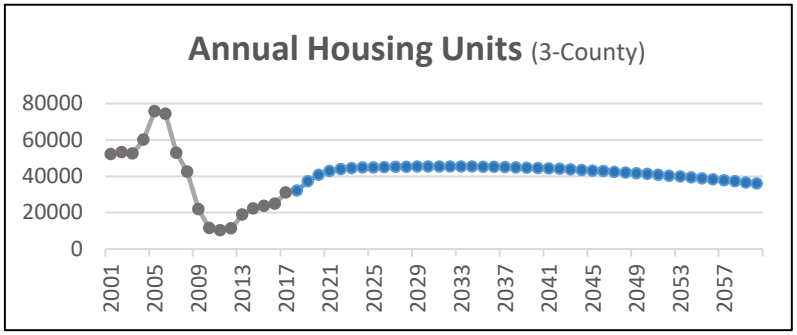
Climate: Worse Case
Growth Rate: Medium
Growth Pattern: Official
Relative Risk: Moderate

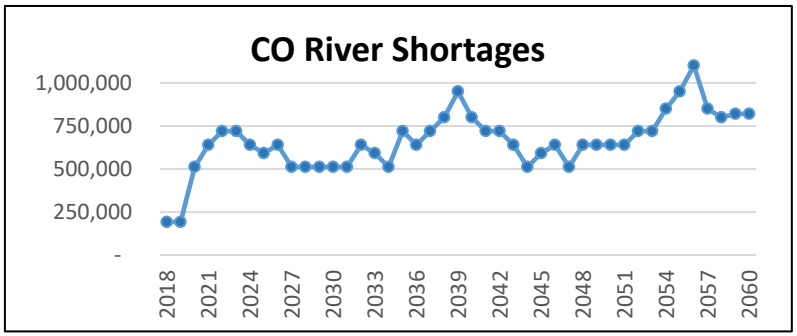
E. Official, Very Dry [LSCRBS]

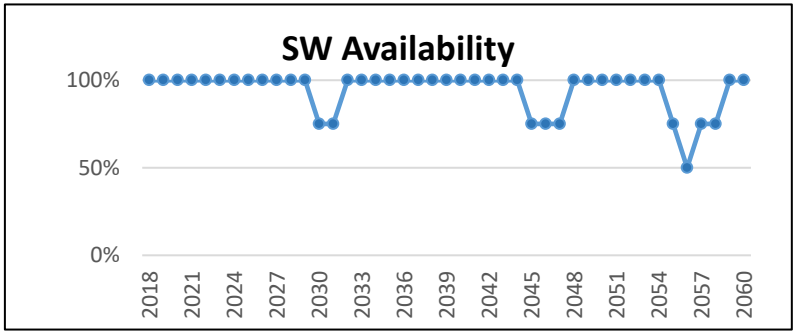
Run Date: 7/14/2020 **Filename:** CAPServiceArea_v3.50_LSCRBS_A(

Growth rate based on Medium growth series from the AZ Dept. of Administration and growth pattern from PAG, standard CAP-SAM

Allow Shortages	Yes	
Select CRSS Array	3	*3=Synthetic*
Use Specific Trace	Yes	
Selected Trace	3	*1=Moderate; 2=Deep; 3=Slight*
AWBA Max M&I	20%	
Surface Water Scenario	3	*1=No Reduction; 2=Occational; 3=Frequent*
Use CAP Buildup	Yes	
CAP Buildup Scenario	2	*1=2035; 2=2045*
HU Growth Pattern	1	*1=Baseline*
HU Forecast	2	*1=Use Curve; 2=Eller Forecast*
HU Curve	2	
HU Growth Start Rate	0%	
HU Ordinary Level	45,000	
HU Rate @ 50 yrs	-2%	
GPHUD Change Existing	-0.4%	*per year*
GPHUD Max Change Existing	-10%	
GPHUD Min Existing	200	
GPHUD Scenario New	1	
GPHUD Change New	0.0%	*per year*
Ag Climate Adjustment	0.2	
Ag Efficiency Increase	0.1%	*per year*
Ag Efficiency Goal	80%	
Ag Replace Crop CU	3.24	
Ag Intensity Scenario	2	
Ag Develop on Crops	50%	*Perecent of max on active Ag*
Ag Acres Replace Percent	0%	
Ag Replace Crop Year	2025	



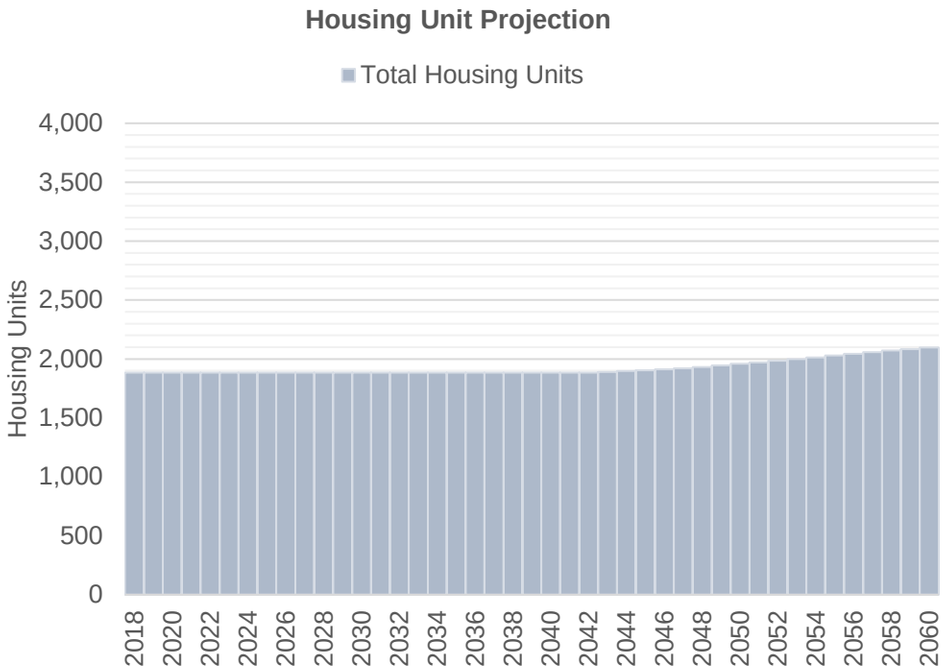


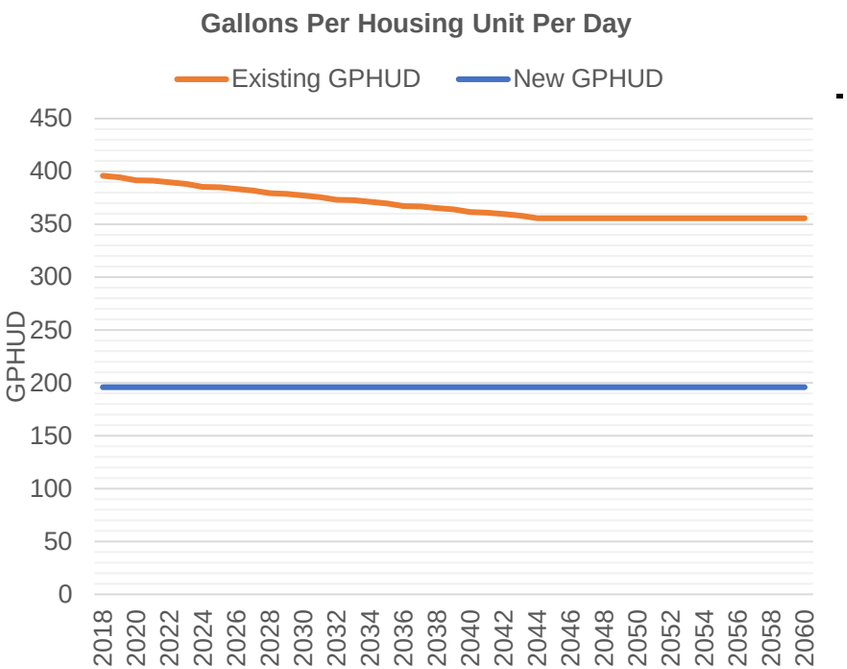


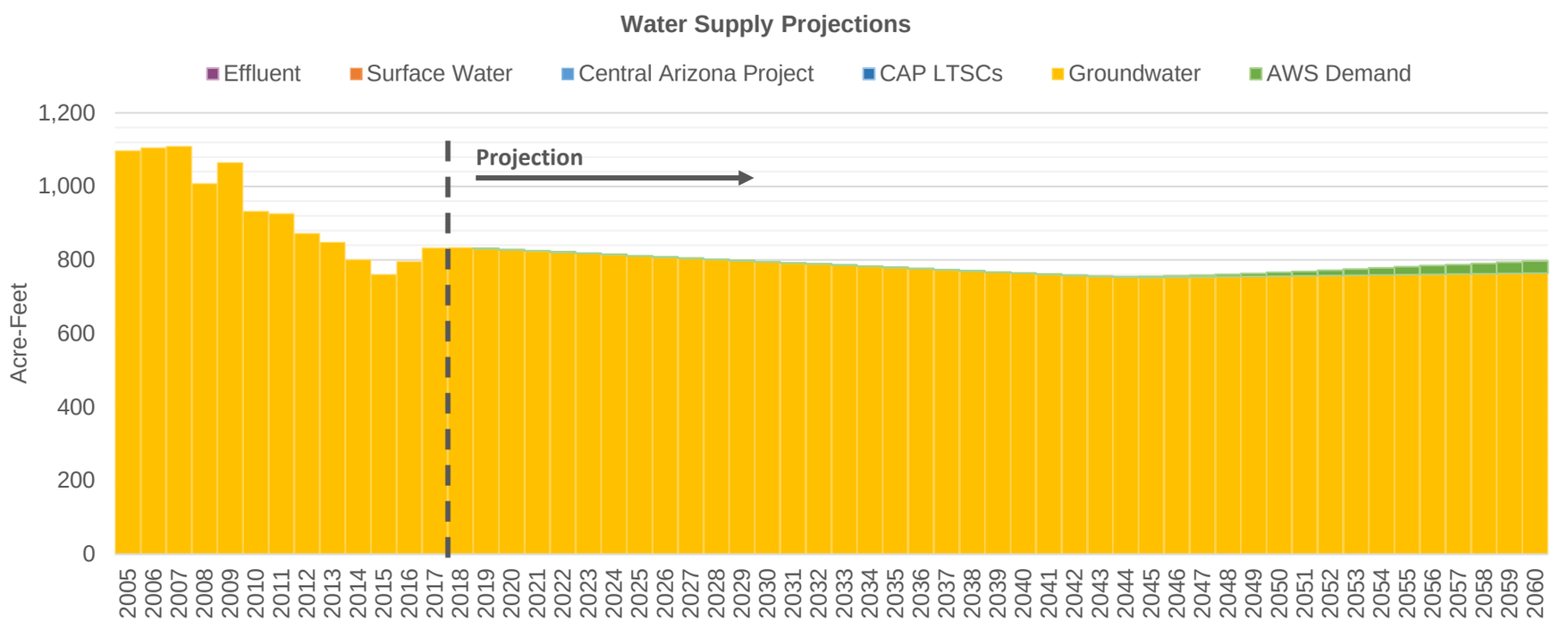
Central Arizona Project Service Area Model

AvraWaterCoop

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

AvraWaterCoop

E. Official, Very Dry [LSCRBS]

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Demand Assumptions

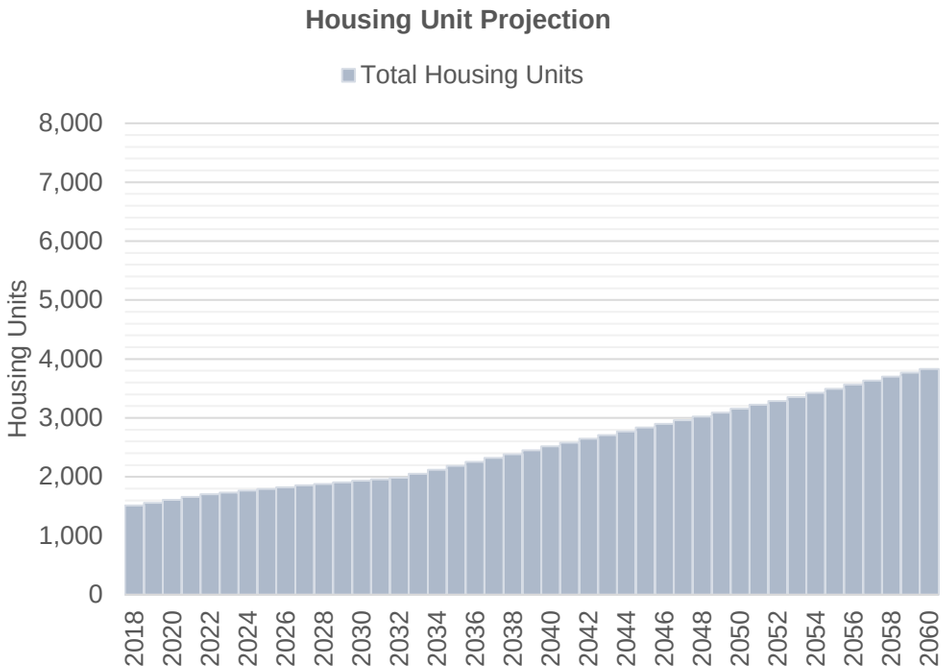
Water Supply Projections (Acre-Feet)

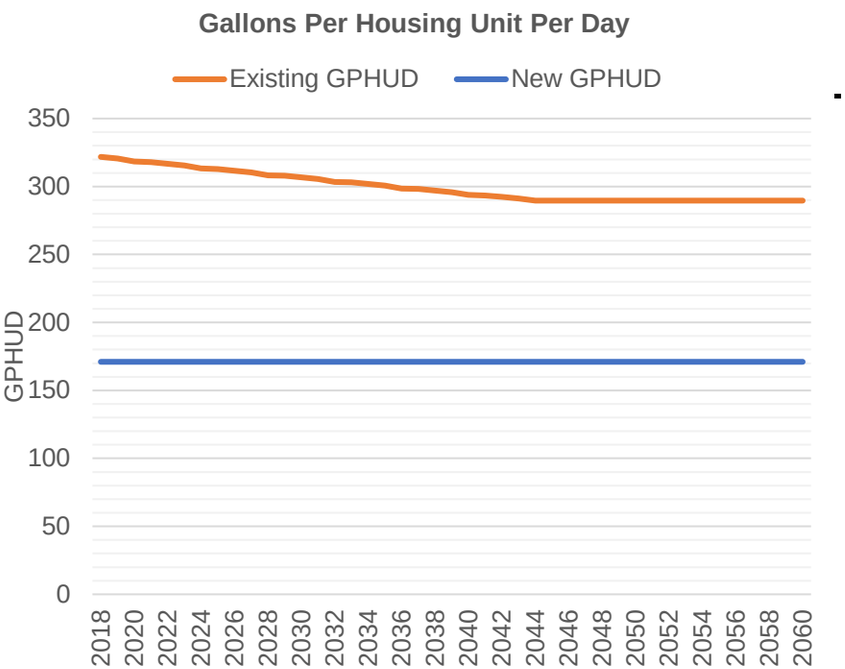
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,883	396	196	0	0	0	0	0	0	0	834	0
2019	1,883	394	196	0	0	0	0	0	0	0	831	0
2020	1,883	392	196	0	0	0	0	0	0	0	827	0
2021	1,883	391	196	0	0	0	0	0	0	0	824	0
2022	1,883	390	196	0	0	0	0	0	0	0	821	0
2023	1,883	388	196	0	0	0	0	0	0	0	818	0
2024	1,883	385	196	0	0	0	0	0	0	0	814	0
2025	1,883	385	196	0	0	0	0	0	0	0	811	0
2026	1,883	383	196	0	0	0	0	0	0	0	808	0
2027	1,883	382	196	0	0	0	0	0	0	0	805	0
2028	1,883	379	196	0	0	0	0	0	0	0	801	0
2029	1,883	379	196	0	0	0	0	0	0	0	798	0
2030	1,883	377	196	0	0	0	0	0	0	0	795	0
2031	1,883	376	196	0	0	0	0	0	0	0	792	0
2032	1,883	373	196	0	0	0	0	0	0	0	789	0
2033	1,883	373	196	0	0	0	0	0	0	0	785	0
2034	1,883	371	196	0	0	0	0	0	0	0	782	0
2035	1,883	370	196	0	0	0	0	0	0	0	779	0
2036	1,883	367	196	0	0	0	0	0	0	0	776	0
2037	1,883	367	196	0	0	0	0	0	0	0	773	0
2038	1,883	365	196	0	0	0	0	0	0	0	770	0
2039	1,883	364	196	0	0	0	0	0	0	0	767	0
2040	1,883	361	196	0	0	0	0	0	0	0	764	0
2041	1,883	361	196	0	0	0	0	0	0	0	761	0
2042	1,883	360	196	0	0	0	0	0	0	0	758	0
2043	1,889	358	196	0	0	0	0	0	0	0	755	0
2044	1,897	356	196	0	0	0	0	0	0	0	753	1
2045	1,905	356	196	0	0	0	0	0	0	0	752	3
2046	1,913	356	196	0	0	0	0	0	0	0	753	4
2047	1,921	356	196	0	0	0	0	0	0	0	753	5
2048	1,932	356	196	0	0	0	0	0	0	0	754	6
2049	1,945	356	196	0	0	0	0	0	0	0	755	8
2050	1,959	356	196	0	0	0	0	0	0	0	756	10
2051	1,972	356	196	0	0	0	0	0	0	0	757	13
2052	1,986	356	196	0	0	0	0	0	0	0	757	15
2053	2,000	356	196	0	0	0	0	0	0	0	758	17
2054	2,014	356	196	0	0	0	0	0	0	0	759	19
2055	2,029	356	196	0	0	0	0	0	0	0	760	22
2056	2,043	356	196	0	0	0	0	0	0	0	761	24
2057	2,057	356	196	0	0	0	0	0	0	0	762	26
2058	2,071	356	196	0	0	0	0	0	0	0	762	28
2059	2,084	356	196	0	0	0	0	0	0	0	763	31
2060	2,098	356	196	0	0	0	0	0	0	0	764	33

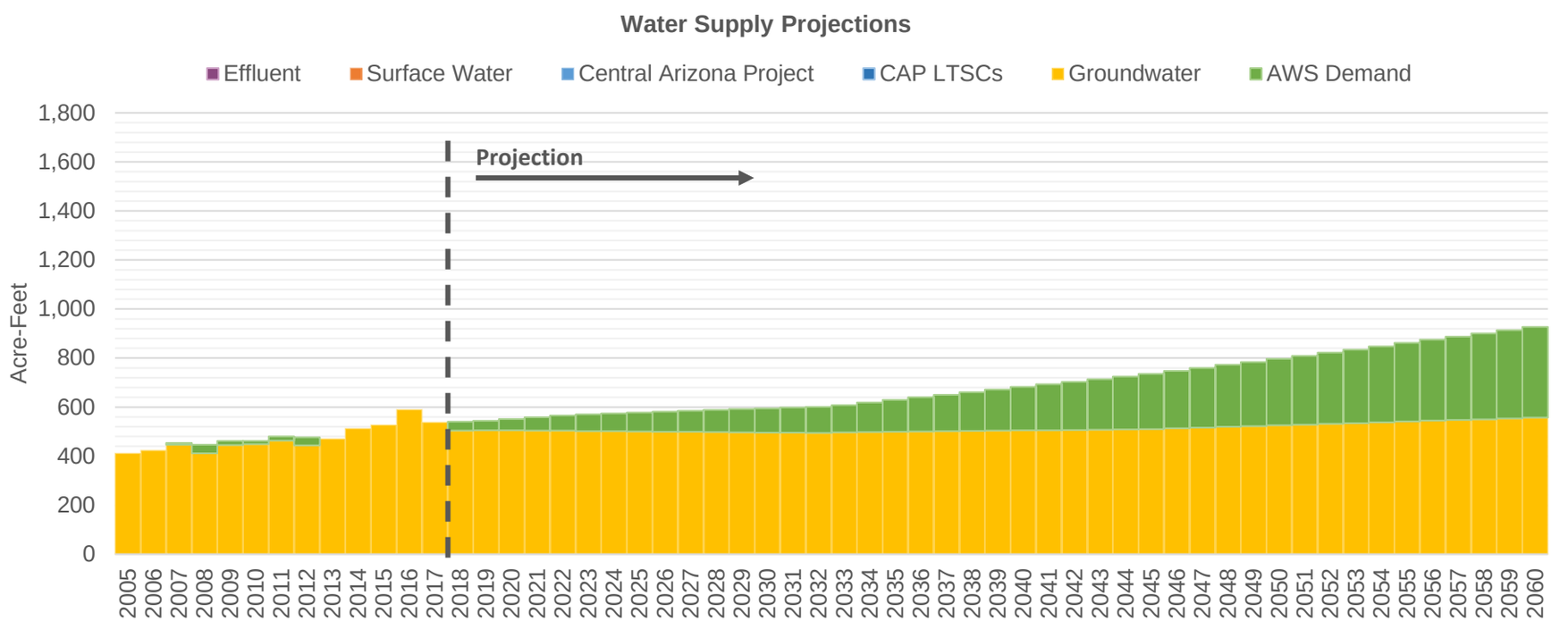
Central Arizona Project Service Area Model

AZWCOracle

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

AZWCOracle

E. Official, Very Dry [LSCRBS]

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Demand Assumptions

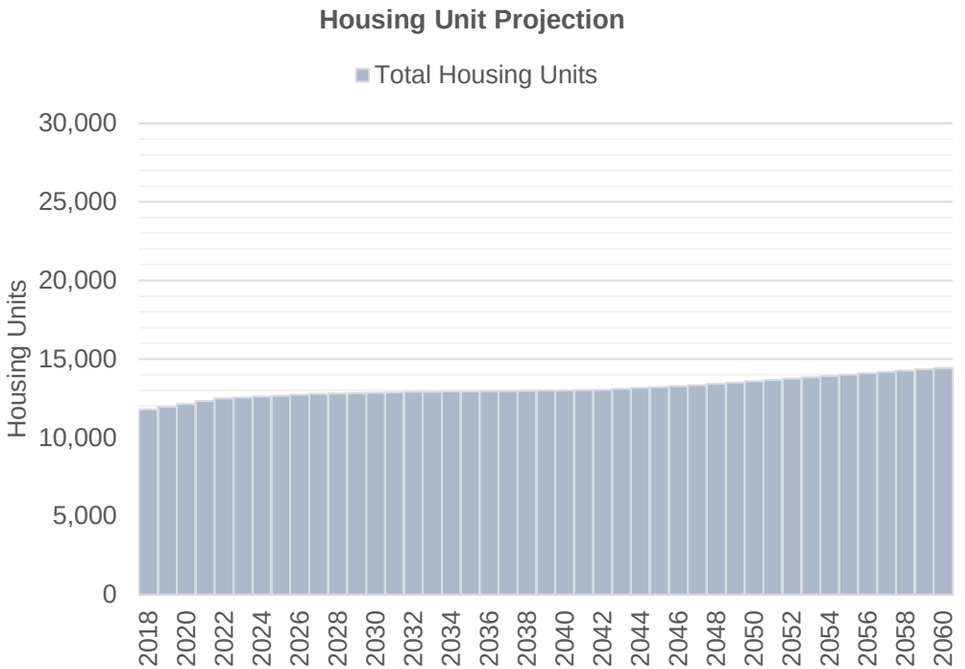
Water Supply Projections (Acre-Feet)

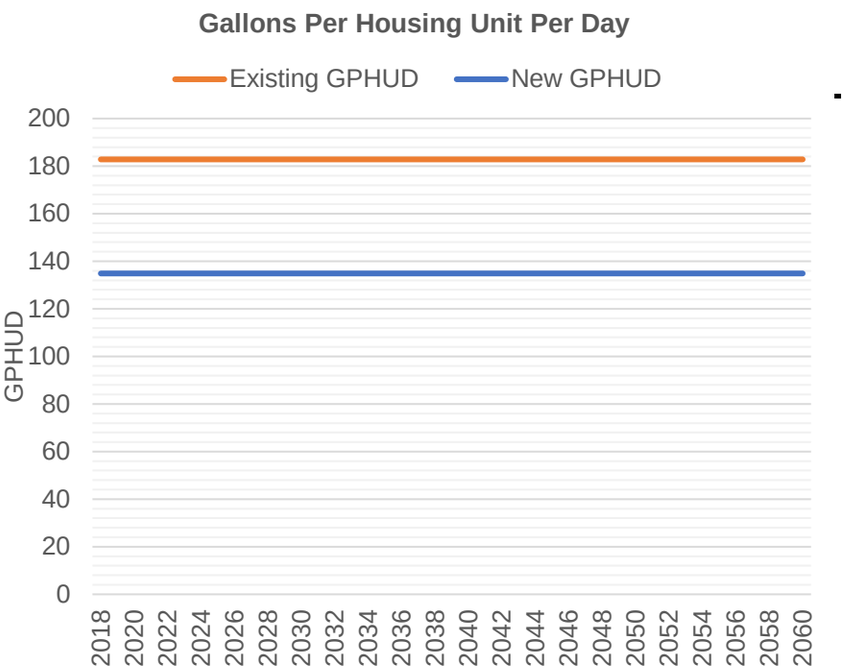
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,516	322	171	0	0	0	0	0	0	0	505	36
2019	1,560	321	171	0	0	0	0	0	0	0	505	39
2020	1,608	318	171	0	0	0	0	0	0	0	505	46
2021	1,658	318	171	0	0	0	0	0	0	0	504	54
2022	1,703	317	171	0	0	0	0	0	0	0	504	62
2023	1,733	315	171	0	0	0	0	0	0	0	502	69
2024	1,764	313	171	0	0	0	0	0	0	0	501	73
2025	1,794	313	171	0	0	0	0	0	0	0	500	78
2026	1,825	312	171	0	0	0	0	0	0	0	500	82
2027	1,855	310	171	0	0	0	0	0	0	0	499	87
2028	1,881	308	171	0	0	0	0	0	0	0	498	91
2029	1,908	308	171	0	0	0	0	0	0	0	497	95
2030	1,934	307	171	0	0	0	0	0	0	0	496	99
2031	1,960	305	171	0	0	0	0	0	0	0	495	103
2032	1.988	303	171	0	0	0	0	0	0	0	495	106
2033	2,055	303	171	0	0	0	0	0	0	0	498	110
2034	2,121	302	171	0	0	0	0	0	0	0	499	120
2035	2,187	301	171	0	0	0	0	0	0	0	500	130
2036	2,253	299	171	0	0	0	0	0	0	0	501	139
2037	2,319	298	171	0	0	0	0	0	0	0	502	149
2038	2,385	297	171	0	0	0	0	0	0	0	503	159
2039	2,451	296	171	0	0	0	0	0	0	0	504	168
2040	2,516	294	171	0	0	0	0	0	0	0	505	178
2041	2,580	293	171	0	0	0	0	0	0	0	506	187
2042	2,645	292	171	0	0	0	0	0	0	0	507	197
2043	2,709	291	171	0	0	0	0	0	0	0	508	206
2044	2,772	290	171	0	0	0	0	0	0	0	509	215
2045	2,835	290	171	0	0	0	0	0	0	0	511	225
2046	2,898	290	171	0	0	0	0	0	0	0	514	234
2047	2,960	290	171	0	0	0	0	0	0	0	516	243
2048	3,025	290	171	0	0	0	0	0	0	0	520	252
2049	3,092	290	171	0	0	0	0	0	0	0	523	262
2050	3,158	290	171	0	0	0	0	0	0	0	526	271
2051	3,223	290	171	0	0	0	0	0	0	0	529	281
2052	3,287	290	171	0	0	0	0	0	0	0	532	290
2053	3,355	290	171	0	0	0	0	0	0	0	535	300
2054	3,426	290	171	0	0	0	0	0	0	0	538	310
2055	3,496	290	171	0	0	0	0	0	0	0	541	320
2056	3,565	290	171	0	0	0	0	0	0	0	545	330
2057	3,633	290	171	0	0	0	0	0	0	0	547	340
2058	3,700	290	171	0	0	0	0	0	0	0	550	350
2059	3,766	290	171	0	0	0	0	0	0	0	553	360
2060	3,831	290	171	0	0	0	0	0	0	0	558	370

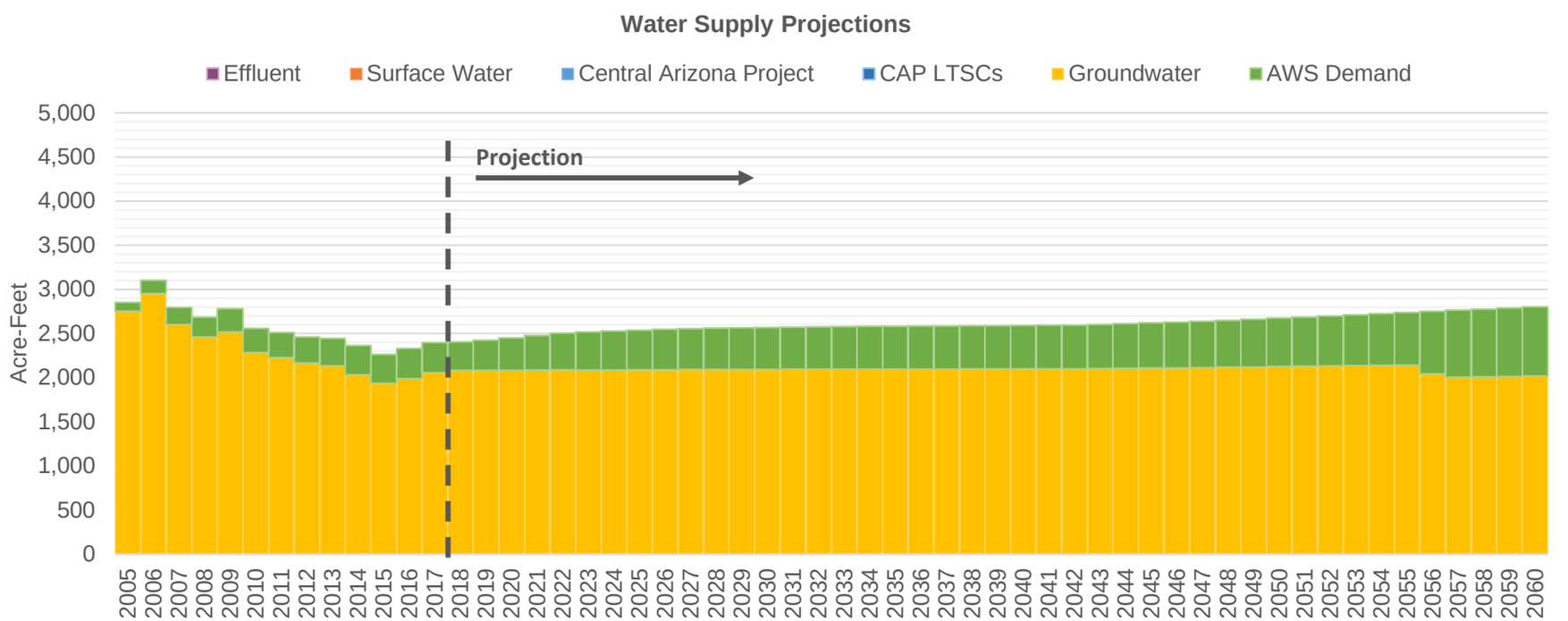
Central Arizona Project Service Area Model

CommWaterGreenVly

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

CommWaterGre

E. Official, Very Dry [LSCRBS]

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Demand Assumptions

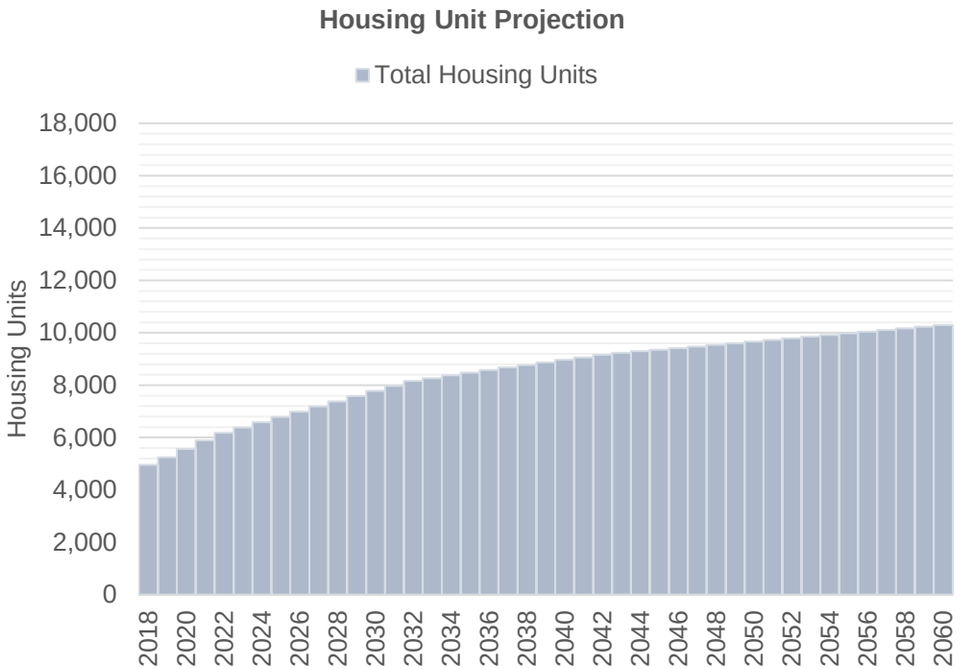
Water Supply Projections (Acre-Feet)

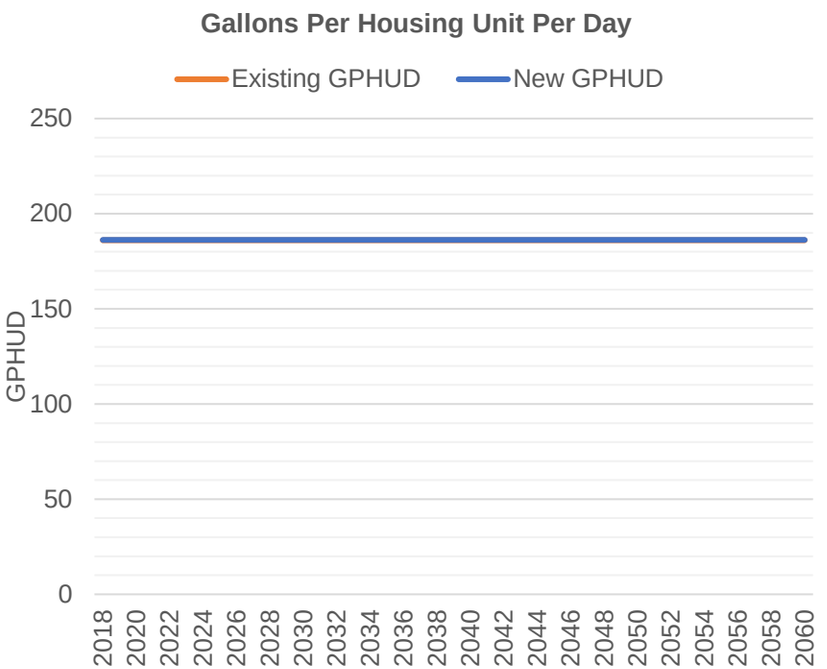
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	11,794	183	135	0	0	0	0	0	0	0	2,082	322
2019	11,963	183	135	0	0	0	0	0	0	0	2,085	338
2020	12,143	183	135	0	0	0	0	0	0	0	2,083	366
2021	12,332	183	135	0	0	0	0	0	0	0	2,086	391
2022	12,485	183	135	0	0	0	0	0	0	0	2,088	415
2023	12,546	183	135	0	0	0	0	0	0	0	2,086	434
2024	12,608	183	135	0	0	0	0	0	0	0	2,088	441
2025	12,669	183	135	0	0	0	0	0	0	0	2,089	449
2026	12,731	183	135	0	0	0	0	0	0	0	2,091	456
2027	12,787	183	135	0	0	0	0	0	0	0	2,093	463
2028	12,810	183	135	0	0	0	0	0	0	0	2,093	470
2029	12,833	183	135	0	0	0	0	0	0	0	2,093	472
2030	12,856	183	135	0	0	0	0	0	0	0	2,094	475
2031	12,879	183	135	0	0	0	0	0	0	0	2,095	478
2032	12,902	183	135	0	0	0	0	0	0	0	2,096	480
2033	12,914	183	135	0	0	0	0	0	0	0	2,096	483
2034	12,926	183	135	0	0	0	0	0	0	0	2,096	484
2035	12,937	183	135	0	0	0	0	0	0	0	2,097	485
2036	12,949	183	135	0	0	0	0	0	0	0	2,098	487
2037	12,961	183	135	0	0	0	0	0	0	0	2,098	488
2038	12,976	183	135	0	0	0	0	0	0	0	2,098	489
2039	12,990	183	135	0	0	0	0	0	0	0	2,099	491
2040	13,005	183	135	0	0	0	0	0	0	0	2,100	493
2041	13,020	183	135	0	0	0	0	0	0	0	2,100	494
2042	13,034	183	135	0	0	0	0	0	0	0	2,100	496
2043	13,094	183	135	0	0	0	0	0	0	0	2,104	498
2044	13,156	183	135	0	0	0	0	0	0	0	2,107	505
2045	13,217	183	135	0	0	0	0	0	0	0	2,109	512
2046	13,278	183	135	0	0	0	0	0	0	0	2,112	518
2047	13,338	183	135	0	0	0	0	0	0	0	2,114	525
2048	13,412	183	135	0	0	0	0	0	0	0	2,118	532
2049	13,497	183	135	0	0	0	0	0	0	0	2,122	540
2050	13,581	183	135	0	0	0	0	0	0	0	2,125	549
2051	13,665	183	135	0	0	0	0	0	0	0	2,129	558
2052	13,747	183	135	0	0	0	0	0	0	0	2,133	567
2053	13,833	183	135	0	0	0	0	0	0	0	2,136	576
2054	13,921	183	135	0	0	0	0	0	0	0	2,140	585
2055	14,009	183	135	0	0	0	0	0	0	0	2,143	595
2056	14,095	183	135	0	0	0	0	0	0	0	2,045	708
2057	14,180	183	135	0	0	0	0	0	0	0	2,007	757
2058	14,264	183	135	0	0	0	0	0	0	0	2,011	766
2059	14,346	183	135	0	0	0	0	0	0	0	2,014	775
2060	14,427	183	135	0	0	0	0	0	0	0	2,019	784

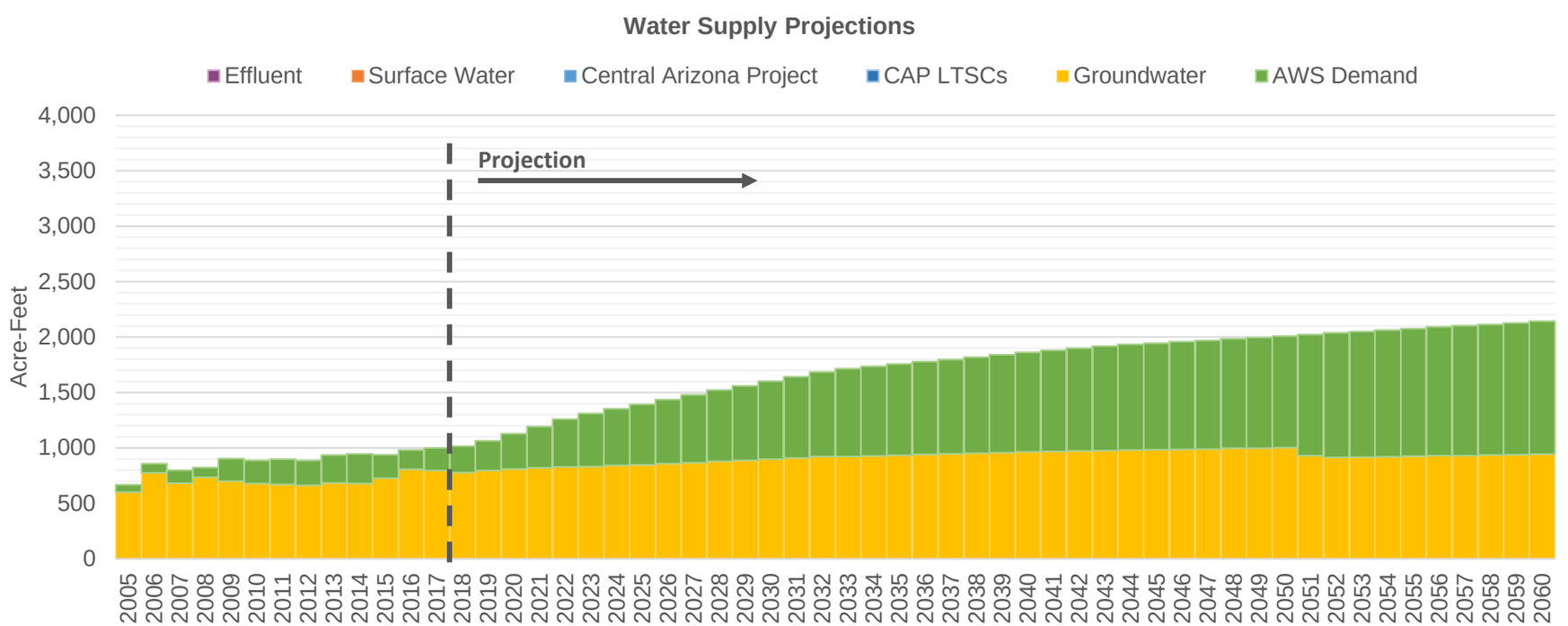
Central Arizona Project Service Area Model

FarmersWC

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

FarmersWC

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7/14/20 9:06 AM

Demand Assumptions

Water Supply Projections (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,959	186	186	0	0	0	0	0	0	0	779	238
2019	5,250	186	186	0	0	0	0	0	0	0	798	266
2020	5,564	186	186	0	0	0	0	0	0	0	810	318
2021	5,894	186	186	0	0	0	0	0	0	0	821	373
2022	6,189	186	186	0	0	0	0	0	0	0	830	429
2023	6,388	186	186	0	0	0	0	0	0	0	832	479
2024	6,589	186	186	0	0	0	0	0	0	0	841	512
2025	6,790	186	186	0	0	0	0	0	0	0	848	546
2026	6,991	186	186	0	0	0	0	0	0	0	858	578
2027	7,192	186	186	0	0	0	0	0	0	0	868	611
2028	7,387	186	186	0	0	0	0	0	0	0	879	643
2029	7,583	186	186	0	0	0	0	0	0	0	887	673
2030	7,780	186	186	0	0	0	0	0	0	0	898	704
2031	7,976	186	186	0	0	0	0	0	0	0	909	733
2032	8.169	186	186	0	0	0	0	0	0	0	922	763
2033	8,271	186	186	0	0	0	0	0	0	0	922	792
2034	8,373	186	186	0	0	0	0	0	0	0	928	807
2035	8,474	186	186	0	0	0	0	0	0	0	934	822
2036	8,576	186	186	0	0	0	0	0	0	0	942	838
2037	8,677	186	186	0	0	0	0	0	0	0	946	853
2038	8,774	186	186	0	0	0	0	0	0	0	951	868
2039	8,872	186	186	0	0	0	0	0	0	0	957	883
2040	8,969	186	186	0	0	0	0	0	0	0	965	897
2041	9,065	186	186	0	0	0	0	0	0	0	968	912
2042	9,161	186	186	0	0	0	0	0	0	0	974	926
2043	9,232	186	186	0	0	0	0	0	0	0	977	941
2044	9,294	186	186	0	0	0	0	0	0	0	982	952
2045	9,356	186	186	0	0	0	0	0	0	0	983	961
2046	9,418	186	186	0	0	0	0	0	0	0	987	970
2047	9,479	186	186	0	0	0	0	0	0	0	991	980
2048	9,541	186	186	0	0	0	0	0	0	0	997	989
2049	9,605	186	186	0	0	0	0	0	0	0	998	998
2050	9,668	186	186	0	0	0	0	0	0	0	1,002	1,008
2051	9,731	186	186	0	0	0	0	0	0	0	929	1,093
2052	9,792	186	186	0	0	0	0	0	0	0	916	1,122
2053	9,856	186	186	0	0	0	0	0	0	0	917	1,132
2054	9,921	186	186	0	0	0	0	0	0	0	921	1,141
2055	9,985	186	186	0	0	0	0	0	0	0	924	1,151
2056	10,049	186	186	0	0	0	0	0	0	0	931	1,161
2057	10,111	186	186	0	0	0	0	0	0	0	932	1,170
2058	10,173	186	186	0	0	0	0	0	0	0	935	1,180
2059	10,233	186	186	0	0	0	0	0	0	0	939	1,189
2060	10,293	186	186	0	0	0	0	0	0	0	945	1,198

Central Arizona Project Service Area Model

FWID

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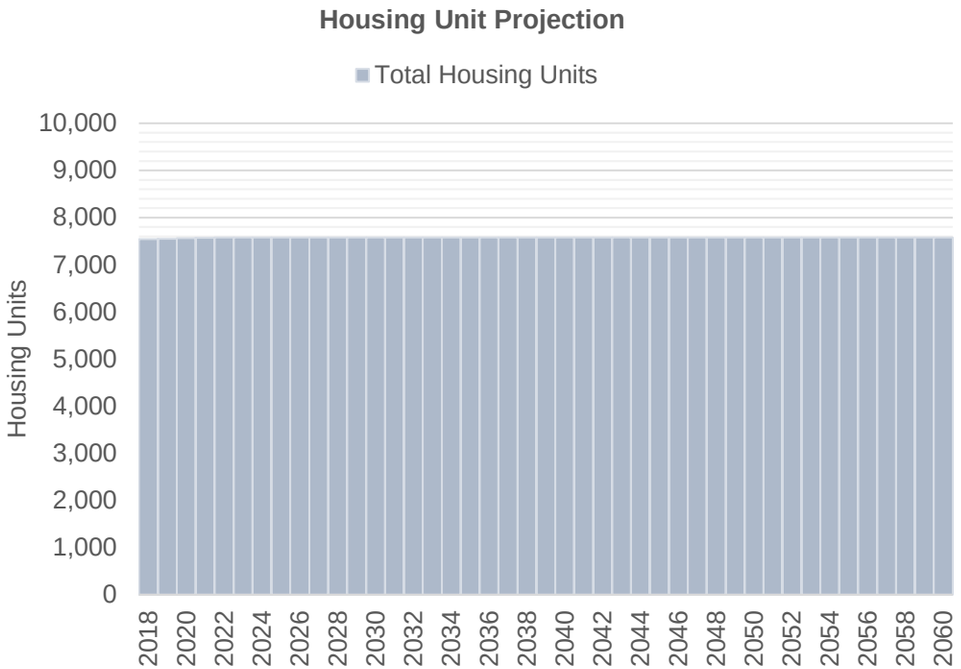

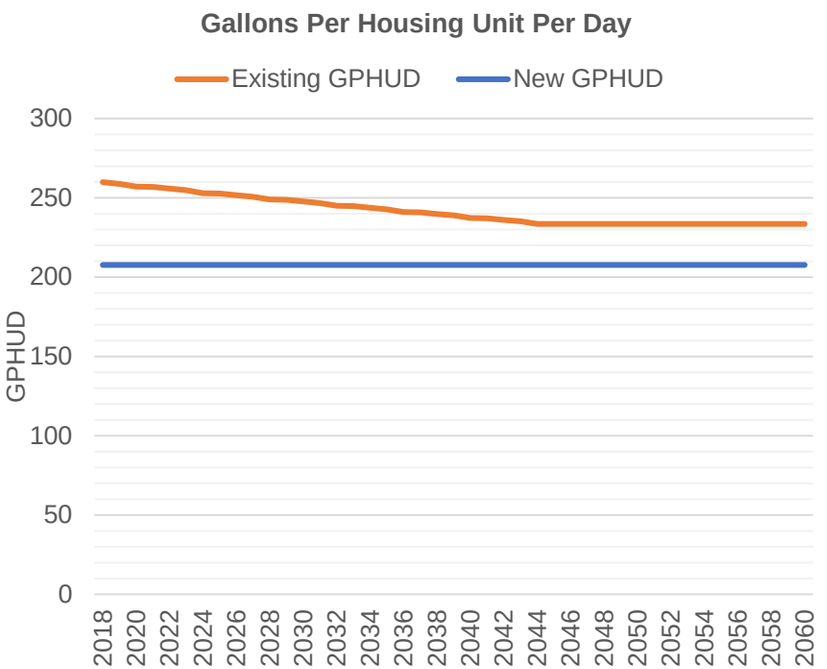

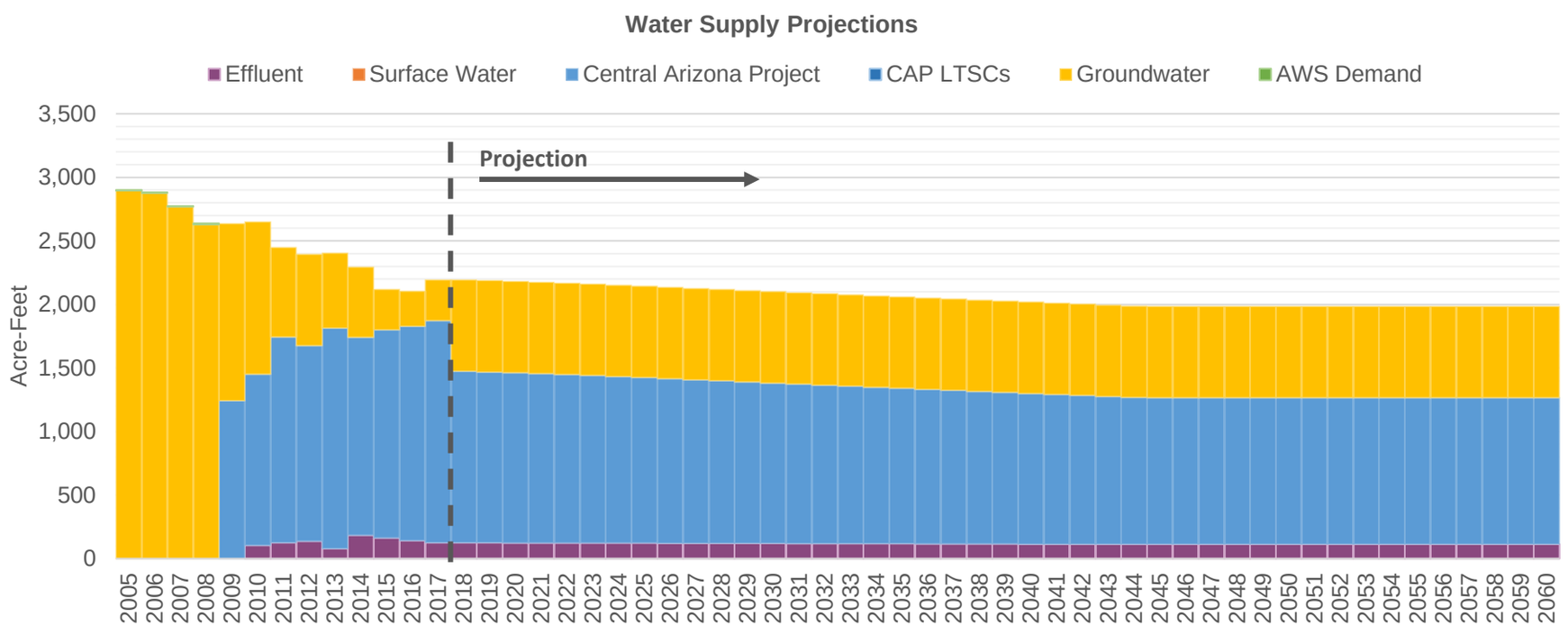

Central Arizona Project Service Area Model

FWID

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7/14/20 9:06 AM

Date	Demand Assumptions: Housing Units	GPHUD		Effluent	Water Supply Projections (Acre-Feet): Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	7,542	260	208	125	0	0	0	1,350	1,523	0	719	0
2019	7,552	259	208	125	0	0	0	1,343	1,530	0	719	0
2020	7,563	257	208	125	0	0	0	1,338	1,535	0	719	0
2021	7,574	257	208	124	0	0	0	1,332	1,541	0	719	0
2022	7,581	256	208	124	0	0	0	1,325	1,548	0	719	0
2023	7,581	255	208	124	0	0	0	1,318	1,555	0	719	0
2024	7,581	253	208	123	0	0	0	1,310	1,563	0	719	0
2025	7,581	253	208	123	0	0	0	1,302	1,571	0	719	0
2026	7,581	252	208	122	0	0	0	1,294	1,579	0	719	0
2027	7,581	251	208	122	0	0	0	1,286	1,587	0	719	0
2028	7,581	249	208	121	0	0	0	1,278	1,595	0	719	0
2029	7,581	249	208	121	0	0	0	1,270	1,603	0	719	0
2030	7,581	248	208	120	0	0	0	1,262	1,611	0	719	0
2031	7,581	247	208	120	0	0	0	1,254	1,619	0	719	0
2032	7,581	245	208	119	0	0	0	1,246	1,627	0	719	0
2033	7,581	245	208	119	0	0	0	1,238	1,635	0	719	0
2034	7,581	244	208	118	0	0	0	1,231	1,642	0	719	0
2035	7,581	243	208	118	0	0	0	1,223	1,650	0	719	0
2036	7,581	241	208	117	0	0	0	1,215	1,658	0	719	0
2037	7,581	241	208	117	0	0	0	1,207	1,666	0	719	0
2038	7,581	240	208	116	0	0	0	1,200	1,477	0	719	0
2039	7,581	239	208	116	0	0	0	1,192	1,031	0	719	0
2040	7,581	237	208	115	0	0	0	1,185	1,443	0	719	0
2041	7,581	237	208	115	0	0	0	1,177	1,651	0	719	0
2042	7,581	236	208	115	0	0	0	1,169	1,633	0	719	0
2043	7,581	235	208	114	0	0	0	1,162	1,711	0	719	0
2044	7,581	234	208	114	0	0	0	1,154	1,719	0	719	0
2045	7,581	234	208	113	0	0	0	1,153	1,720	0	719	0
2046	7,581	234	208	113	0	0	0	1,153	1,627	0	719	0
2047	7,581	234	208	113	0	0	0	1,153	1,720	0	719	0
2048	7,581	234	208	113	0	0	0	1,153	1,627	0	719	0
2049	7,581	234	208	113	0	0	0	1,153	1,627	0	719	0
2050	7,581	234	208	113	0	0	0	1,153	1,627	0	719	0
2051	7,581	234	208	113	0	0	0	1,153	1,627	0	719	0
2052	7,581	234	208	113	0	0	0	1,153	1,428	0	719	0
2053	7,581	234	208	113	0	0	0	1,153	1,428	0	719	0
2054	7,581	234	208	113	0	0	0	1,153	1,104	0	719	0
2055	7,581	234	208	113	0	0	0	1,153	855	0	719	0
2056	7,581	234	208	113	0	0	0	1,153	481	0	719	0
2057	7,581	234	208	113	0	0	0	1,153	1,104	0	719	0
2058	7,581	234	208	113	0	0	0	1,153	1,229	0	719	0
2059	7,581	234	208	113	0	0	0	1,153	1,179	0	719	0
2060	7,581	234	208	113	0	0	0	1,153	1,179	0	719	0

Central Arizona Project Service Area Model

GVDWID

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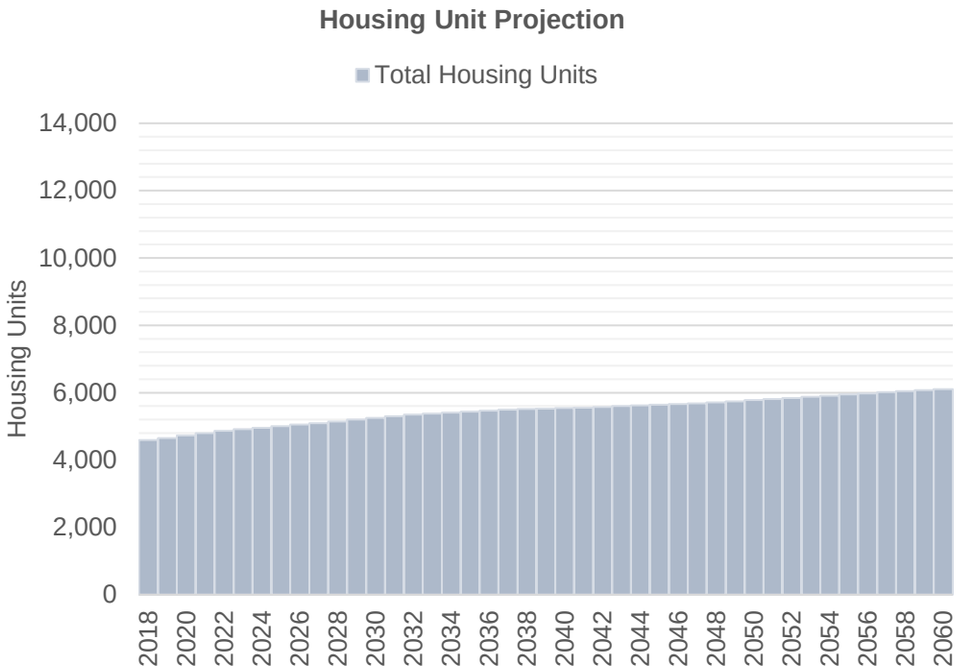

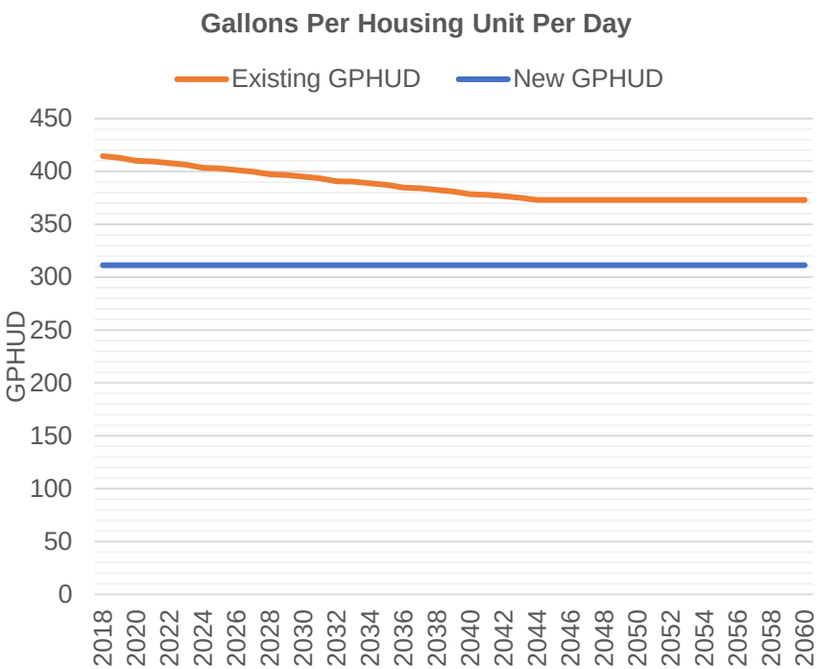

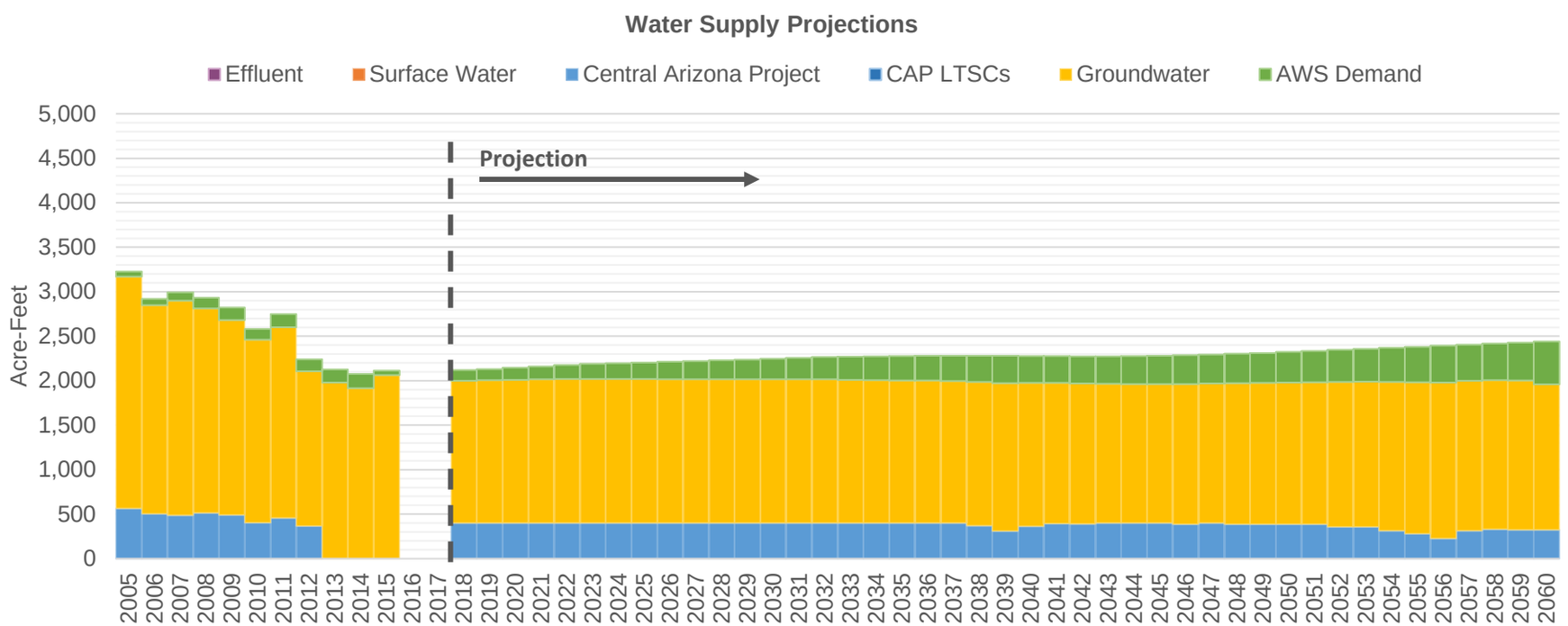

Central Arizona Project Service Area Model

GVDWID

E. Official, Very Dry [LSCRBS]

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Date	Demand Assumptions: Housing Units	GPHUD		Effluent	Water Supply Projections (Acre-Feet): Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,590	414	311	0	0	0	399	0	0	0	1,602	119
2019	4,656	413	311	0	0	0	399	0	0	0	1,606	125
2020	4,726	410	311	0	0	0	399	0	0	0	1,611	135
2021	4,800	410	311	0	0	0	399	0	0	0	1,616	146
2022	4,867	408	311	0	0	0	399	0	0	0	1,620	159
2023	4,913	406	311	0	0	0	399	0	0	0	1,620	170
2024	4,959	404	311	0	0	0	399	0	0	0	1,620	178
2025	5,005	403	311	0	0	0	399	0	0	0	1,620	186
2026	5,051	401	311	0	0	0	399	0	0	0	1,619	195
2027	5,098	400	311	0	0	0	399	0	0	0	1,618	203
2028	5,147	397	311	0	0	0	399	0	0	0	1,619	212
2029	5,197	397	311	0	0	0	399	0	0	0	1,618	222
2030	5,246	395	311	0	0	0	399	0	0	0	1,617	231
2031	5,296	393	311	0	0	0	399	0	0	0	1,617	241
2032	5.345	391	311	0	0	0	399	0	0	0	1.617	251
2033	5,375	390	311	0	0	0	399	0	0	0	1,612	261
2034	5,405	389	311	0	0	0	399	0	0	0	1,609	267
2035	5,435	387	311	0	0	0	399	0	0	0	1,605	273
2036	5,464	385	311	0	0	0	399	0	0	0	1,602	279
2037	5,494	384	311	0	0	0	399	0	0	0	1,598	284
2038	5,511	383	311	0	0	0	372	0	0	0	1,616	295
2039	5,527	381	311	0	0	0	309	0	0	0	1,663	308
2040	5,543	378	311	0	0	0	365	0	0	0	1,611	302
2041	5,559	378	311	0	0	0	393	0	0	0	1,582	301
2042	5,575	376	311	0	0	0	389	0	0	0	1,580	305
2043	5,604	375	311	0	0	0	399	0	0	0	1,568	306
2044	5,625	373	311	0	0	0	399	0	0	0	1,565	312
2045	5,645	373	311	0	0	0	399	0	0	0	1,564	316
2046	5,665	373	311	0	0	0	386	0	0	0	1,578	323
2047	5,685	373	311	0	0	0	399	0	0	0	1,570	325
2048	5,712	373	311	0	0	0	386	0	0	0	1,586	331
2049	5,745	373	311	0	0	0	386	0	0	0	1,589	337
2050	5,777	373	311	0	0	0	386	0	0	0	1,594	344
2051	5,810	373	311	0	0	0	386	0	0	0	1,598	350
2052	5,841	373	311	0	0	0	358	0	0	0	1,626	362
2053	5,875	373	311	0	0	0	358	0	0	0	1,630	369
2054	5,910	373	311	0	0	0	313	0	0	0	1,671	385
2055	5,944	373	311	0	0	0	279	0	0	0	1,704	399
2056	5,978	373	311	0	0	0	227	0	0	0	1,751	416
2057	6,012	373	311	0	0	0	313	0	0	0	1,685	407
2058	6,045	373	311	0	0	0	331	0	0	0	1,675	411
2059	6,077	373	311	0	0	0	324	0	0	0	1,680	425
2060	6,109	373	311	0	0	0	324	0	0	0	1,636	481

Central Arizona Project Service Area Model

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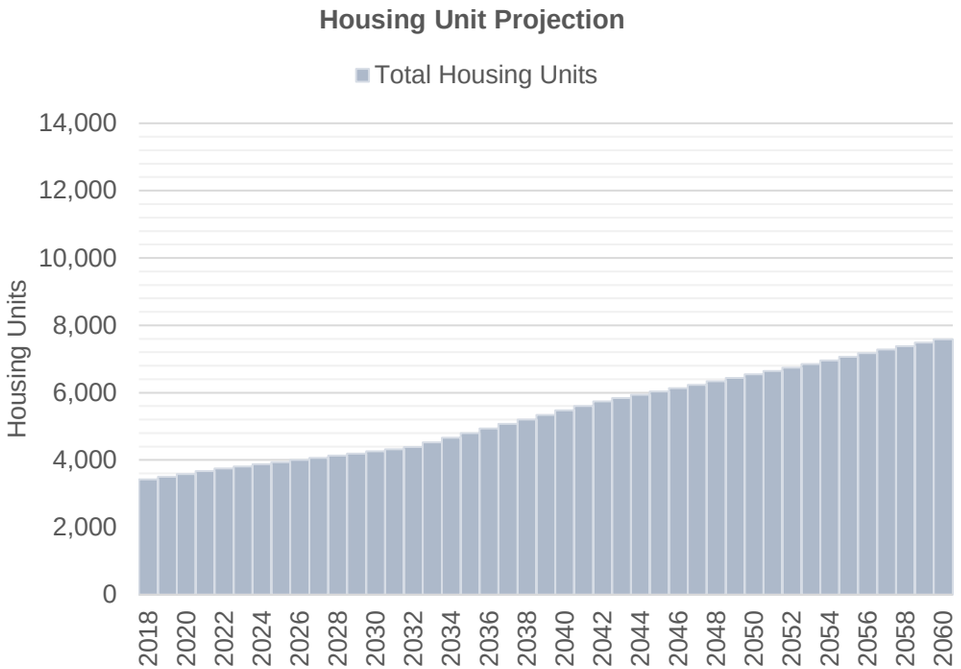
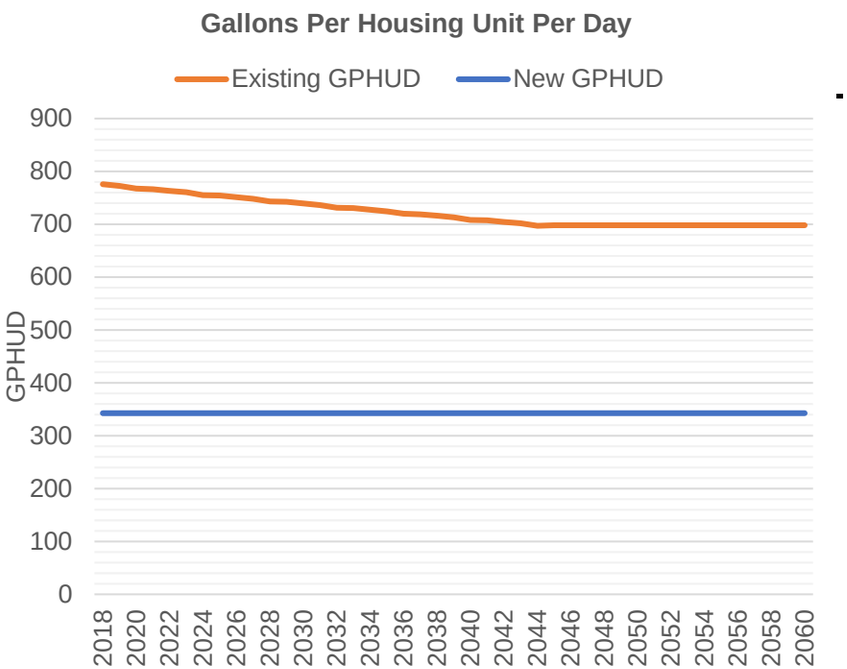
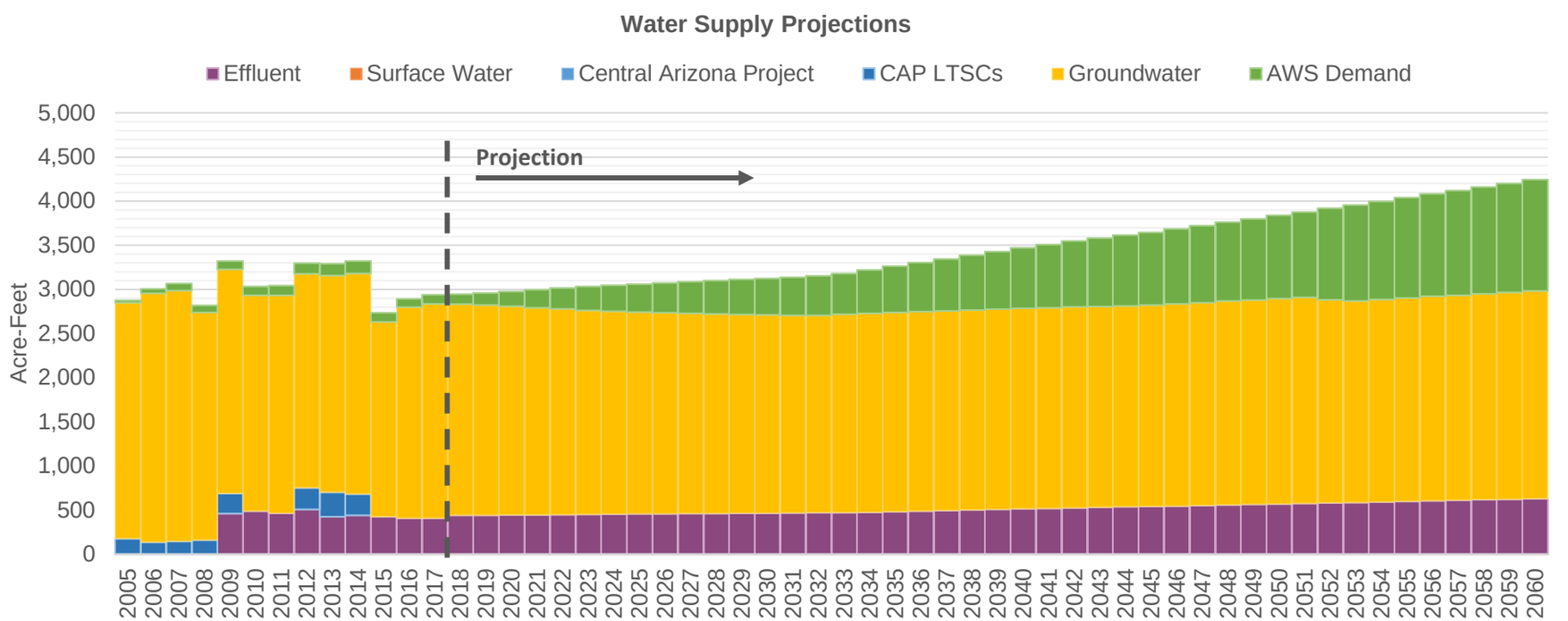
E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

LagoDelOro

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7/14/20 9:06 AM

Demand Assumptions

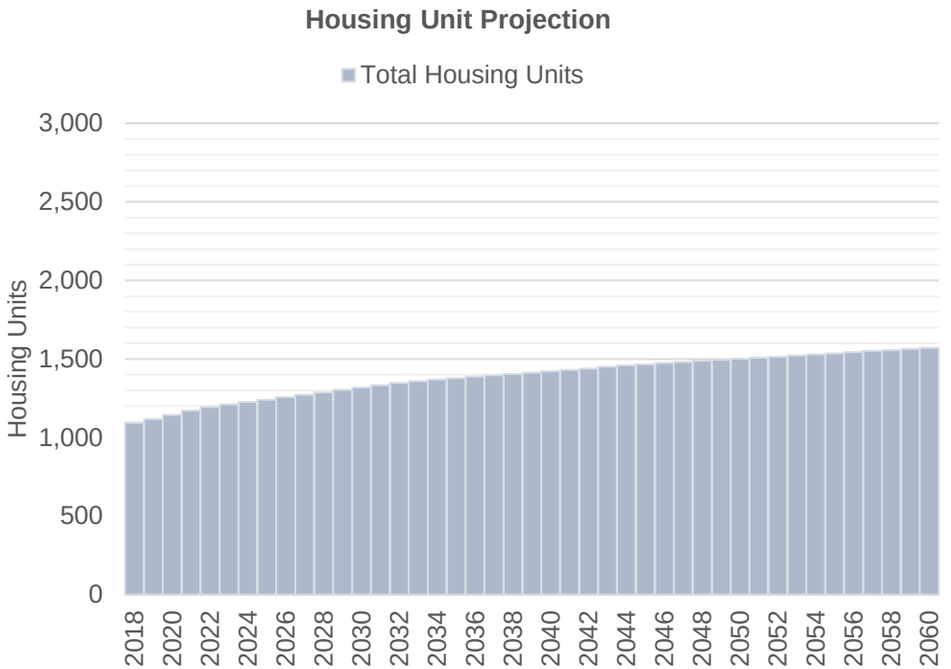
Water Supply Projections (Acre-Feet)

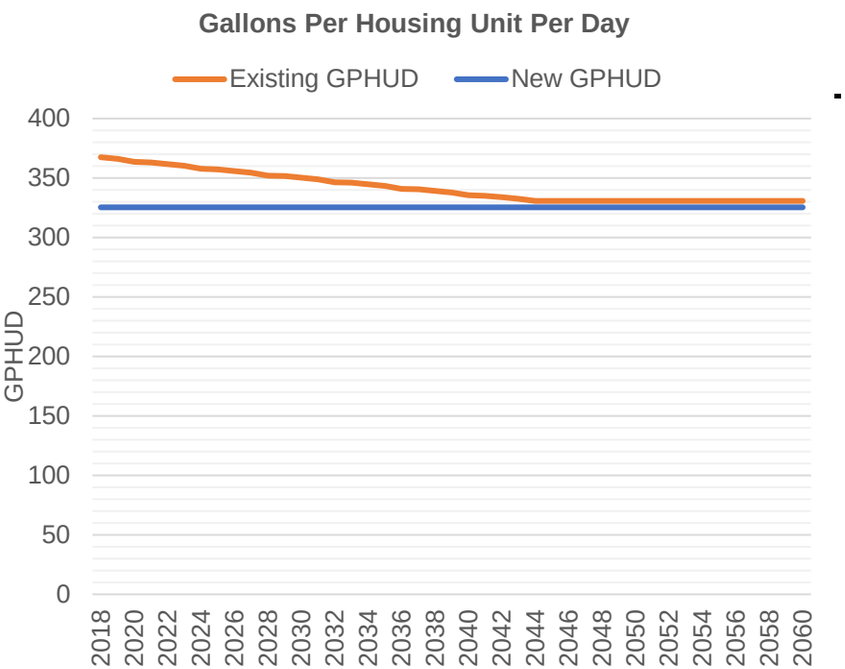
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,423	776	343	441	0	0	0	0	0	0	2,391	116
2019	3,499	773	343	441	0	0	0	0	0	0	2,382	135
2020	3,581	768	343	443	0	0	0	0	0	0	2,365	169
2021	3,668	767	343	445	0	0	0	0	0	0	2,346	206
2022	3,748	763	343	448	0	0	0	0	0	0	2,330	240
2023	3,811	760	343	452	0	0	0	0	0	0	2,311	271
2024	3,875	755	343	454	0	0	0	0	0	0	2,299	294
2025	3,939	754	343	456	0	0	0	0	0	0	2,286	318
2026	4,002	751	343	458	0	0	0	0	0	0	2,276	338
2027	4,066	748	343	460	0	0	0	0	0	0	2,268	358
2028	4,130	743	343	462	0	0	0	0	0	0	2,261	377
2029	4,193	742	343	464	0	0	0	0	0	0	2,253	396
2030	4,257	739	343	466	0	0	0	0	0	0	2,246	413
2031	4,320	736	343	468	0	0	0	0	0	0	2,239	431
2032	4.387	731	343	470	0	0	0	0	0	0	2.237	447
2033	4,524	731	343	472	0	0	0	0	0	0	2,246	462
2034	4,660	728	343	476	0	0	0	0	0	0	2,252	494
2035	4,797	725	343	482	0	0	0	0	0	0	2,256	524
2036	4,933	720	343	488	0	0	0	0	0	0	2,261	556
2037	5,069	719	343	495	0	0	0	0	0	0	2,262	588
2038	5,204	716	343	501	0	0	0	0	0	0	2,266	620
2039	5,338	713	343	507	0	0	0	0	0	0	2,268	652
2040	5,472	708	343	513	0	0	0	0	0	0	2,273	684
2041	5,605	707	343	519	0	0	0	0	0	0	2,274	715
2042	5,738	705	343	525	0	0	0	0	0	0	2,277	747
2043	5,842	702	343	531	0	0	0	0	0	0	2,275	778
2044	5,941	697	343	536	0	0	0	0	0	0	2,276	802
2045	6,040	698	343	541	0	0	0	0	0	0	2,281	825
2046	6,137	698	343	546	0	0	0	0	0	0	2,290	849
2047	6,234	698	343	551	0	0	0	0	0	0	2,299	872
2048	6,335	698	343	557	0	0	0	0	0	0	2,311	895
2049	6,439	698	343	563	0	0	0	0	0	0	2,318	918
2050	6,542	698	343	568	0	0	0	0	0	0	2,328	943
2051	6,643	698	343	574	0	0	0	0	0	0	2,337	967
2052	6,744	698	343	580	0	0	0	0	0	0	2,304	1,036
2053	6,849	698	343	586	0	0	0	0	0	0	2,284	1,086
2054	6,959	698	343	592	0	0	0	0	0	0	2,295	1,111
2055	7,067	698	343	598	0	0	0	0	0	0	2,305	1,137
2056	7,174	698	343	604	0	0	0	0	0	0	2,318	1,162
2057	7,280	698	343	611	0	0	0	0	0	0	2,323	1,187
2058	7,383	698	343	617	0	0	0	0	0	0	2,333	1,212
2059	7,486	698	343	623	0	0	0	0	0	0	2,342	1,236
2060	7,586	698	343	629	0	0	0	0	0	0	2,355	1,261

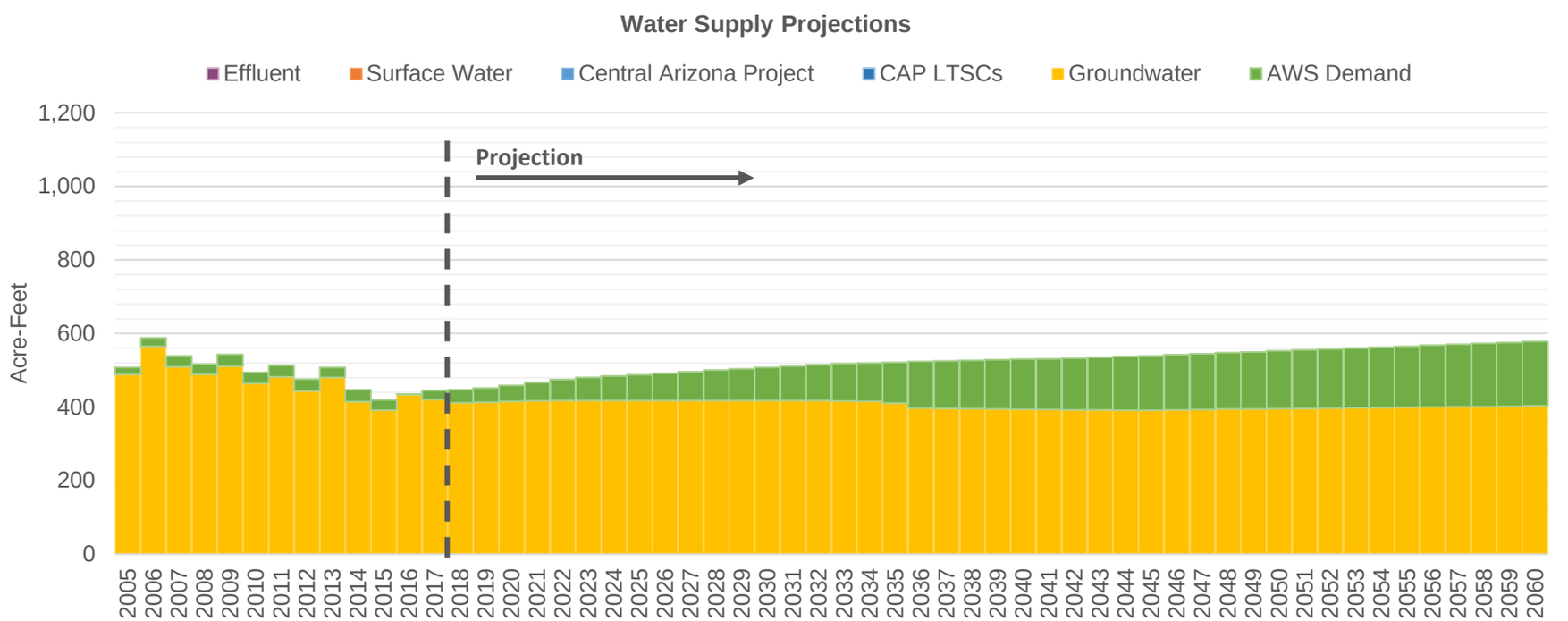
LasQuintas

Central Arizona Project Service Area Model

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

LasQuintas

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions

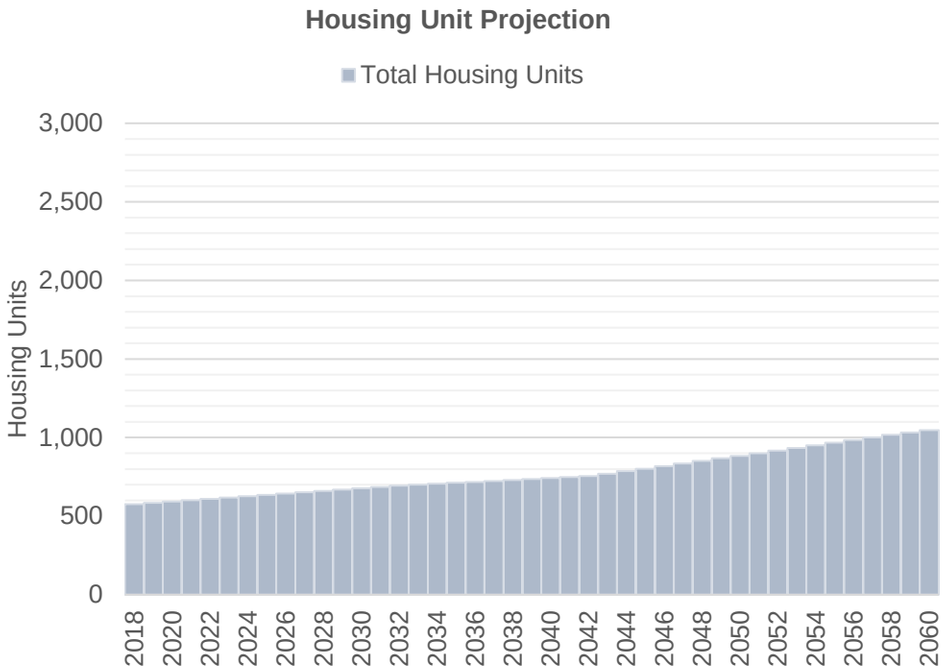
Water Supply Projections (Acre-Feet)

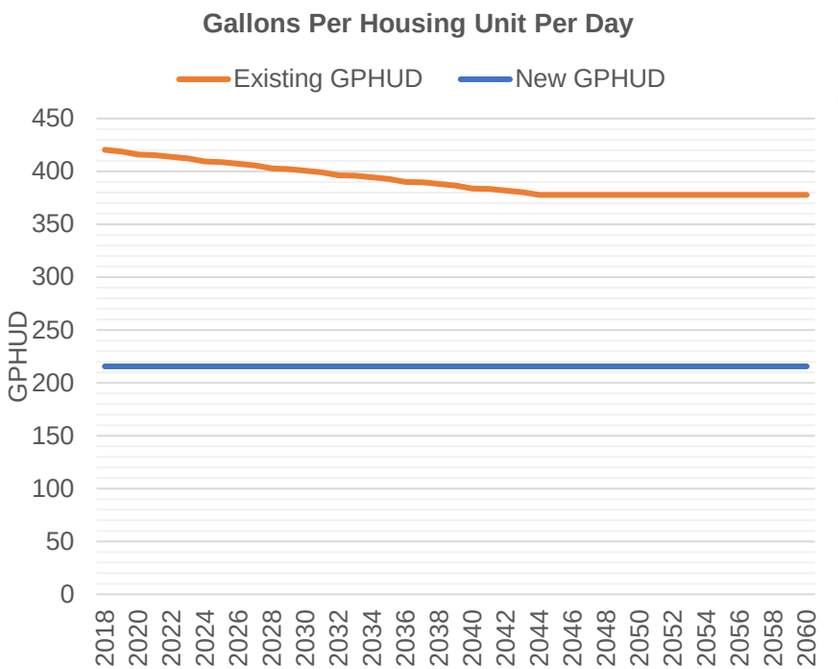
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,093	367	325	0	0	0	0	0	0	0	411	36
2019	1,117	366	325	0	0	0	0	0	0	0	414	38
2020	1,143	364	325	0	0	0	0	0	0	0	415	44
2021	1,171	363	325	0	0	0	0	0	0	0	417	50
2022	1,195	362	325	0	0	0	0	0	0	0	418	57
2023	1,211	360	325	0	0	0	0	0	0	0	418	63
2024	1,226	358	325	0	0	0	0	0	0	0	418	67
2025	1,241	357	325	0	0	0	0	0	0	0	418	70
2026	1,257	356	325	0	0	0	0	0	0	0	418	74
2027	1,273	354	325	0	0	0	0	0	0	0	418	78
2028	1,288	352	325	0	0	0	0	0	0	0	418	82
2029	1,303	352	325	0	0	0	0	0	0	0	418	86
2030	1,318	350	325	0	0	0	0	0	0	0	418	90
2031	1,333	349	325	0	0	0	0	0	0	0	418	94
2032	1,348	346	325	0	0	0	0	0	0	0	418	98
2033	1,358	346	325	0	0	0	0	0	0	0	417	102
2034	1,368	345	325	0	0	0	0	0	0	0	416	104
2035	1,377	343	325	0	0	0	0	0	0	0	411	111
2036	1,387	341	325	0	0	0	0	0	0	0	397	127
2037	1,396	341	325	0	0	0	0	0	0	0	396	129
2038	1,405	339	325	0	0	0	0	0	0	0	396	132
2039	1,413	338	325	0	0	0	0	0	0	0	395	134
2040	1,421	336	325	0	0	0	0	0	0	0	394	136
2041	1,430	335	325	0	0	0	0	0	0	0	393	138
2042	1,438	334	325	0	0	0	0	0	0	0	392	140
2043	1,451	332	325	0	0	0	0	0	0	0	393	142
2044	1,459	331	325	0	0	0	0	0	0	0	392	146
2045	1,466	331	325	0	0	0	0	0	0	0	392	148
2046	1,474	331	325	0	0	0	0	0	0	0	393	150
2047	1,481	331	325	0	0	0	0	0	0	0	393	152
2048	1,488	331	325	0	0	0	0	0	0	0	395	153
2049	1,495	331	325	0	0	0	0	0	0	0	395	155
2050	1,502	331	325	0	0	0	0	0	0	0	396	157
2051	1,508	331	325	0	0	0	0	0	0	0	396	159
2052	1,515	331	325	0	0	0	0	0	0	0	397	160
2053	1,522	331	325	0	0	0	0	0	0	0	398	162
2054	1,529	331	325	0	0	0	0	0	0	0	399	164
2055	1,536	331	325	0	0	0	0	0	0	0	399	166
2056	1,544	331	325	0	0	0	0	0	0	0	401	168
2057	1,551	331	325	0	0	0	0	0	0	0	401	170
2058	1,557	331	325	0	0	0	0	0	0	0	402	171
2059	1,564	331	325	0	0	0	0	0	0	0	402	173
2060	1,571	331	325	0	0	0	0	0	0	0	404	175

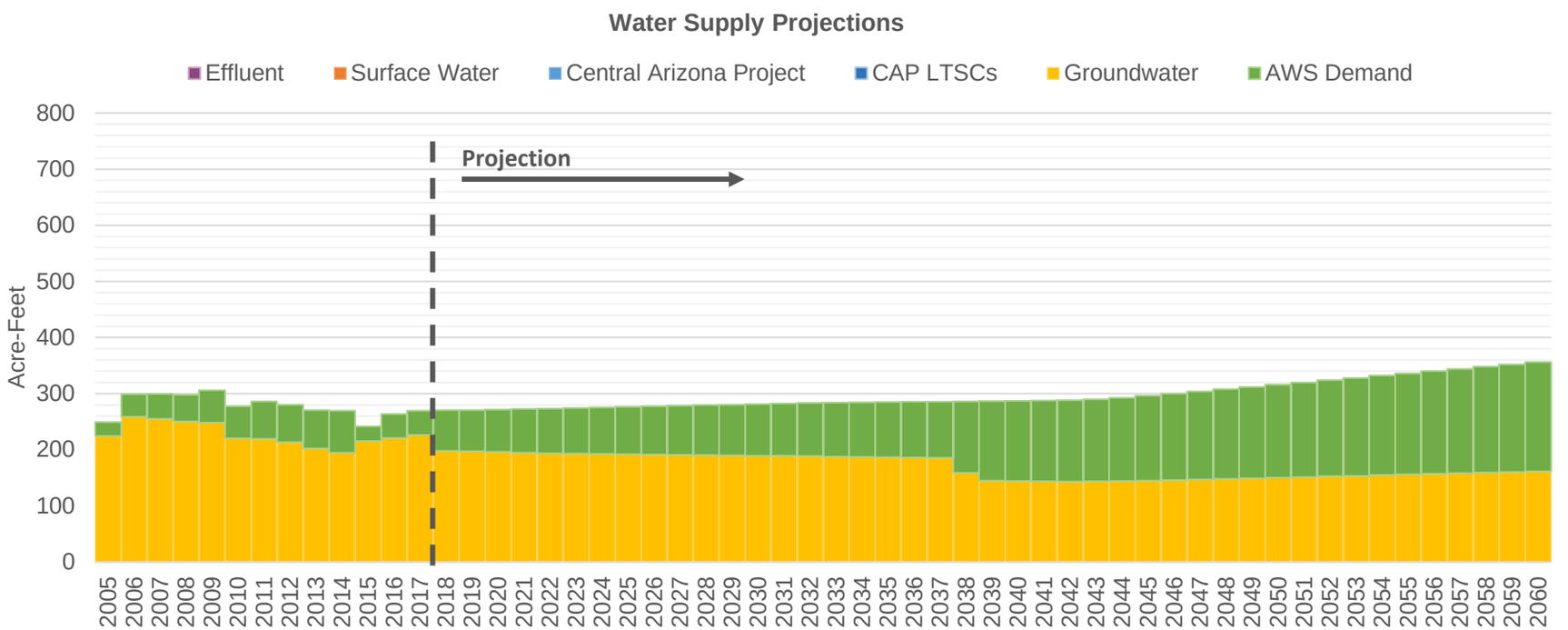
Central Arizona Project Service Area Model

LosCerros

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

LosCerros

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

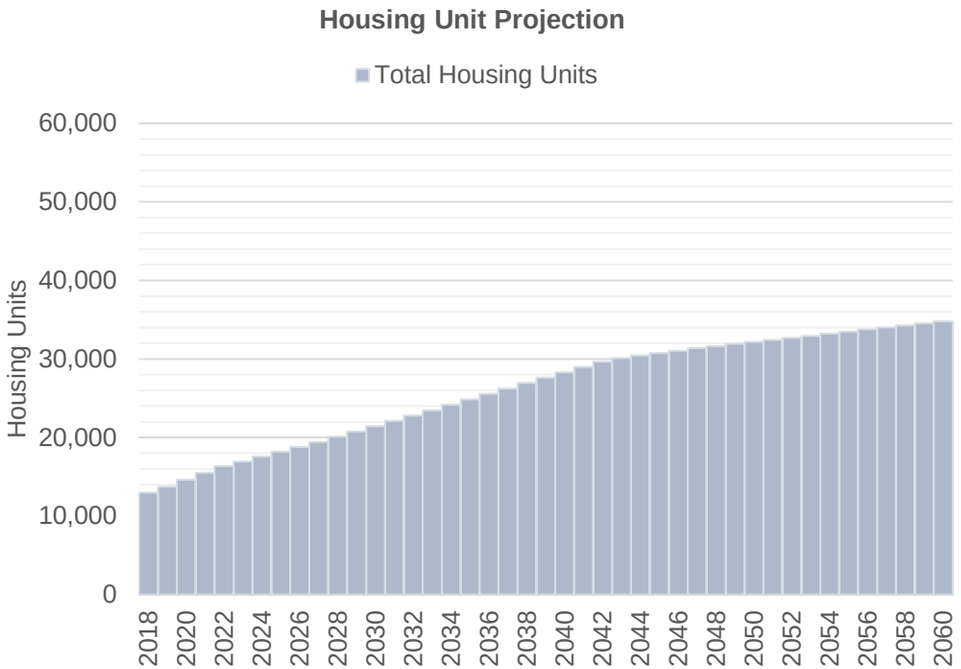
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

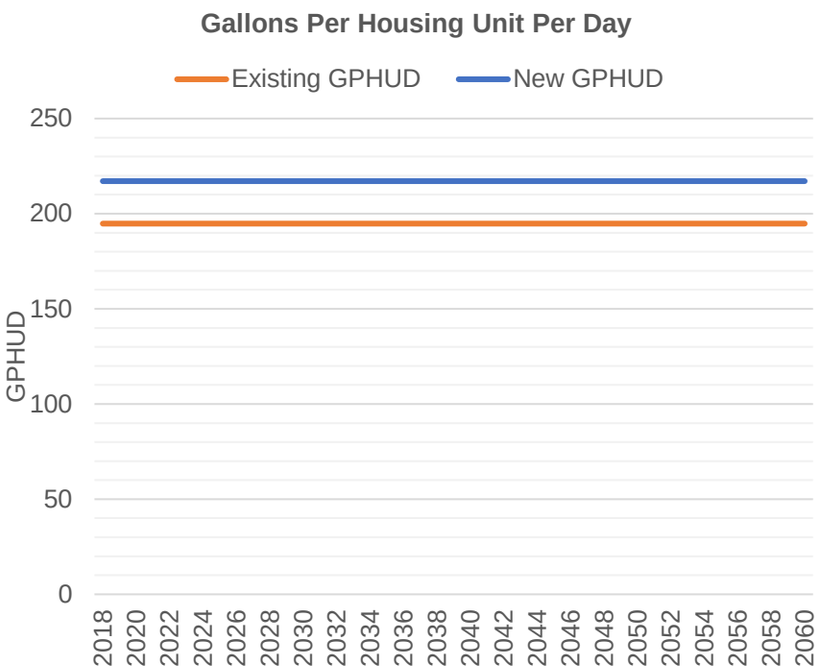
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	577	420	216	0	0	0	0	0	0	0	198	73
2019	585	419	216	0	0	0	0	0	0	0	197	74
2020	593	416	216	0	0	0	0	0	0	0	196	76
2021	602	415	216	0	0	0	0	0	0	0	195	78
2022	610	414	216	0	0	0	0	0	0	0	194	80
2023	619	412	216	0	0	0	0	0	0	0	193	82
2024	627	409	216	0	0	0	0	0	0	0	192	83
2025	635	409	216	0	0	0	0	0	0	0	192	85
2026	644	407	216	0	0	0	0	0	0	0	191	86
2027	652	406	216	0	0	0	0	0	0	0	191	88
2028	661	403	216	0	0	0	0	0	0	0	191	89
2029	669	402	216	0	0	0	0	0	0	0	190	91
2030	677	401	216	0	0	0	0	0	0	0	189	92
2031	686	399	216	0	0	0	0	0	0	0	189	93
2032	694	396	216	0	0	0	0	0	0	0	189	95
2033	700	396	216	0	0	0	0	0	0	0	188	96
2034	706	394	216	0	0	0	0	0	0	0	187	97
2035	712	393	216	0	0	0	0	0	0	0	187	98
2036	718	390	216	0	0	0	0	0	0	0	186	99
2037	724	390	216	0	0	0	0	0	0	0	185	100
2038	730	388	216	0	0	0	0	0	0	0	159	128
2039	736	387	216	0	0	0	0	0	0	0	145	142
2040	742	384	216	0	0	0	0	0	0	0	145	143
2041	748	383	216	0	0	0	0	0	0	0	144	144
2042	754	382	216	0	0	0	0	0	0	0	143	145
2043	769	380	216	0	0	0	0	0	0	0	144	146
2044	786	378	216	0	0	0	0	0	0	0	144	149
2045	802	378	216	0	0	0	0	0	0	0	145	151
2046	818	378	216	0	0	0	0	0	0	0	146	154
2047	834	378	216	0	0	0	0	0	0	0	147	157
2048	851	378	216	0	0	0	0	0	0	0	148	160
2049	868	378	216	0	0	0	0	0	0	0	149	163
2050	884	378	216	0	0	0	0	0	0	0	150	166
2051	901	378	216	0	0	0	0	0	0	0	152	169
2052	917	378	216	0	0	0	0	0	0	0	153	172
2053	933	378	216	0	0	0	0	0	0	0	154	174
2054	951	378	216	0	0	0	0	0	0	0	155	177
2055	967	378	216	0	0	0	0	0	0	0	156	180
2056	984	378	216	0	0	0	0	0	0	0	157	183
2057	1,000	378	216	0	0	0	0	0	0	0	158	186
2058	1,017	378	216	0	0	0	0	0	0	0	159	189
2059	1,033	378	216	0	0	0	0	0	0	0	160	192
2060	1,048	378	216	0	0	0	0	0	0	0	162	194

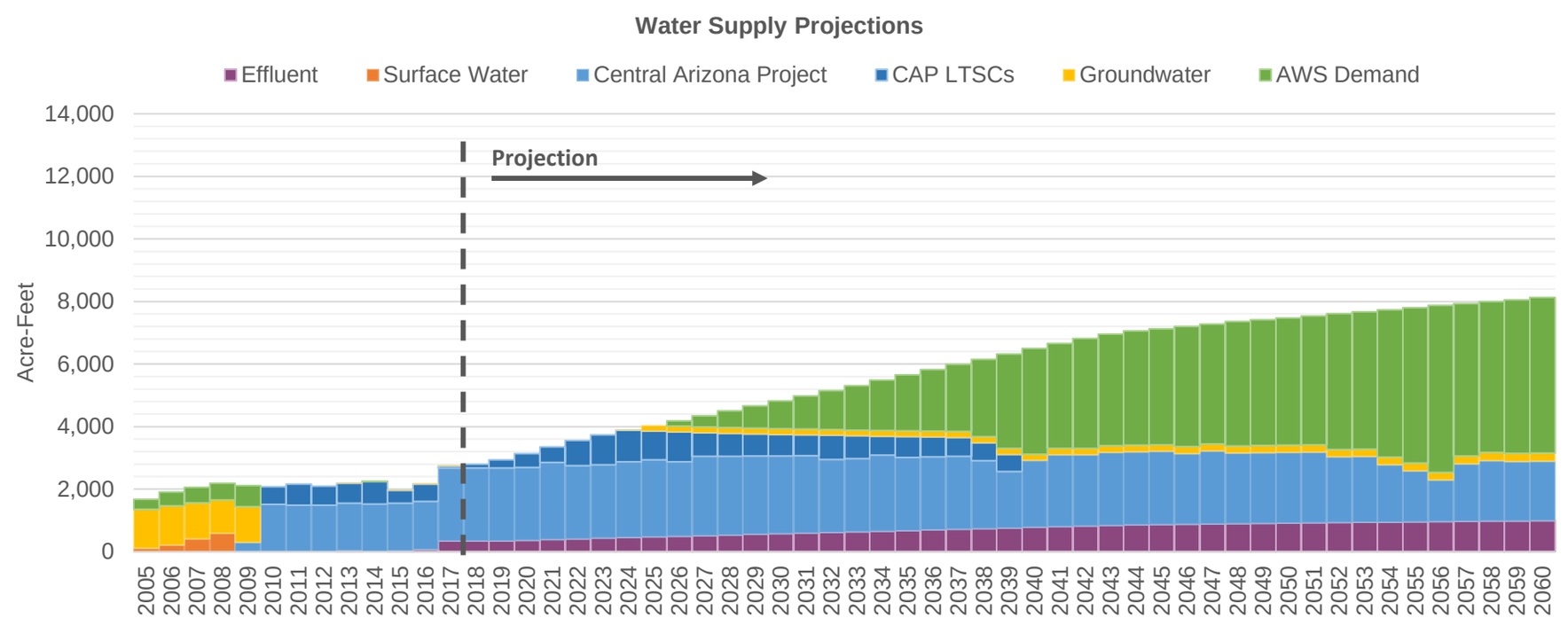
Central Arizona Project Service Area Model

Marana

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

Marana

E. Official, Very Dry [LSCRBS]

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Demand Assumptions

Water Supply Projections (Acre-Feet)

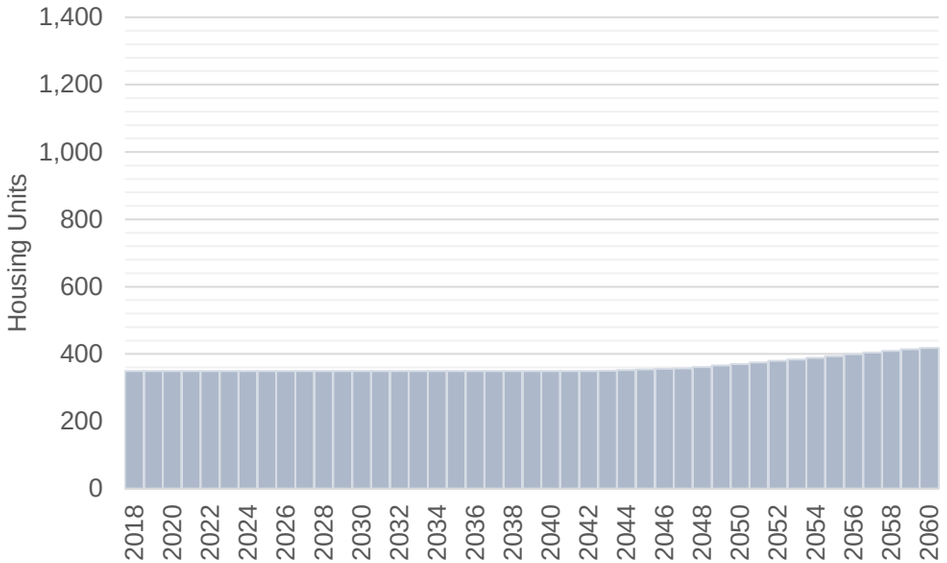
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	12,985	195	217	345	0	0	0	2,336	0	115	0	0
2019	13,761	195	217	345	0	0	0	2,336	0	257	0	0
2020	14,619	195	217	362	0	0	0	2,336	0	439	0	0
2021	15,522	195	217	387	0	0	0	2,463	0	500	0	0
2022	16,350	195	217	413	0	0	0	2,339	0	809	0	0
2023	16,964	195	217	439	0	0	0	2,336	0	961	0	0
2024	17,582	195	217	461	0	0	0	2,408	0	1,019	1	0
2025	18,201	195	217	480	0	0	0	2,456	0	920	181	0
2026	18,822	195	217	498	0	0	0	2,376	0	954	188	172
2027	19,451	195	217	516	0	0	0	2,536	0	746	186	354
2028	20,117	195	217	535	0	0	0	2,520	0	725	185	536
2029	20,785	195	217	555	0	0	0	2,505	0	704	185	710
2030	21,454	195	217	574	0	0	0	2,489	0	684	185	889
2031	22,123	195	217	594	0	0	0	2,474	0	665	185	1,066
2032	22,793	195	217	615	0	0	0	2,336	0	770	185	1,248
2033	23,489	195	217	635	0	0	0	2,342	0	726	186	1,425
2034	24,183	195	217	655	0	0	0	2,431	0	600	187	1,609
2035	24,877	195	217	676	0	0	0	2,336	0	665	188	1,785
2036	25,569	195	217	697	0	0	0	2,336	0	632	190	1,973
2037	26,260	195	217	719	0	0	0	2,336	0	601	191	2,141
2038	26,948	195	217	738	0	0	0	2,177	0	570	194	2,477
2039	27,634	195	217	759	0	0	0	1,808	0	539	196	3,021
2040	28,317	195	217	780	0	0	0	2,137	0	0	198	3,384
2041	28,996	195	217	801	0	0	0	2,300	0	0	201	3,353
2042	29,672	195	217	821	0	0	0	2,279	0	0	204	3,516
2043	30,123	195	217	841	0	0	0	2,336	0	0	207	3,572
2044	30,435	195	217	858	0	0	0	2,336	0	0	210	3,657
2045	30,746	195	217	871	0	0	0	2,336	0	0	214	3,704
2046	31,053	195	217	879	0	0	0	2,261	0	0	217	3,844
2047	31,359	195	217	888	0	0	0	2,336	0	0	221	3,830
2048	31,641	195	217	897	0	0	0	2,261	0	0	224	3,977
2049	31,906	195	217	907	0	0	0	2,261	0	0	227	4,018
2050	32,168	195	217	914	0	0	0	2,261	0	0	231	4,071
2051	32,427	195	217	922	0	0	0	2,261	0	0	234	4,123
2052	32,683	195	217	930	0	0	0	2,098	0	0	237	4,350
2053	32,949	195	217	939	0	0	0	2,098	0	0	240	4,388
2054	33,224	195	217	945	0	0	0	1,835	0	0	244	4,708
2055	33,496	195	217	953	0	0	0	1,633	0	0	247	4,966
2056	33,765	195	217	962	0	0	0	1,329	0	0	250	5,338
2057	34,029	195	217	971	0	0	0	1,835	0	0	253	4,870
2058	34,290	195	217	978	0	0	0	1,936	0	0	256	4,823
2059	34,546	195	217	986	0	0	0	1,896	0	0	259	4,915
2060	34,798	195	217	993	0	0	0	1,896	0	0	262	4,981

Central Arizona Project Service Area Model

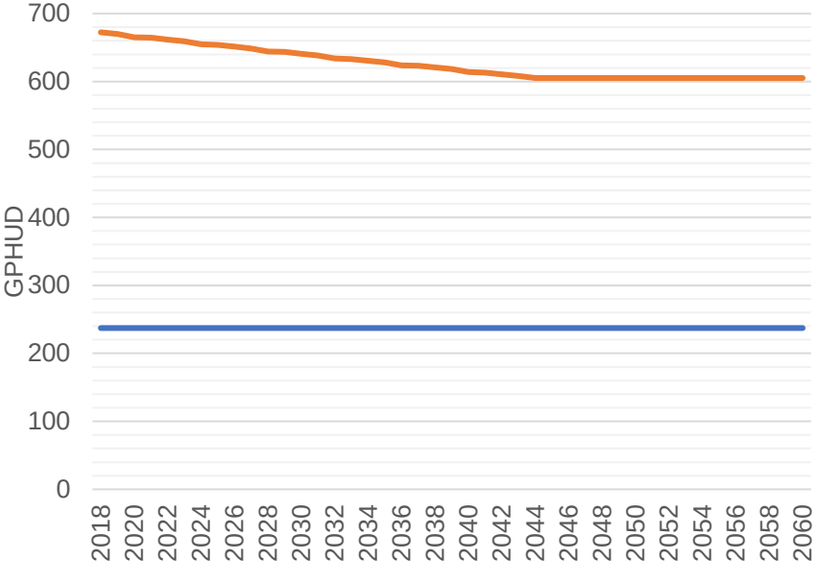
MaranaDomestic

E. Official, Very Dry [LSCRBS]

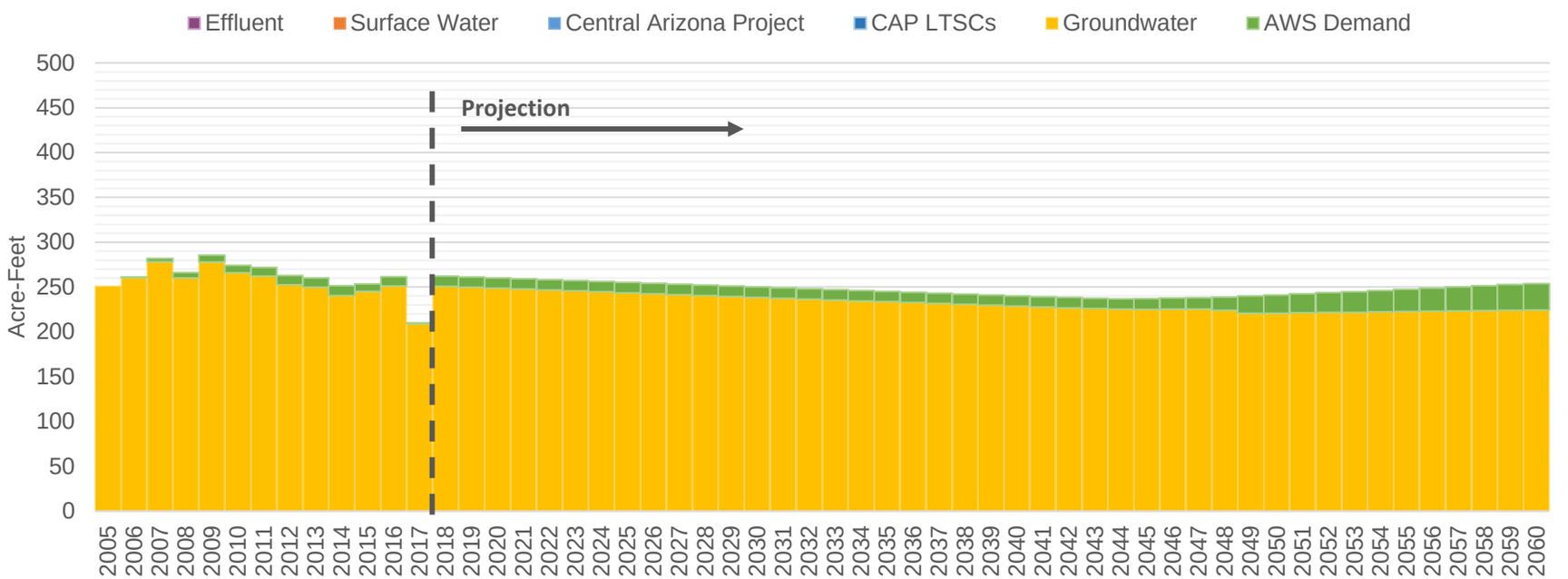
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

MaranaDomesti

E. Official, Very Dry [LSCRBS]

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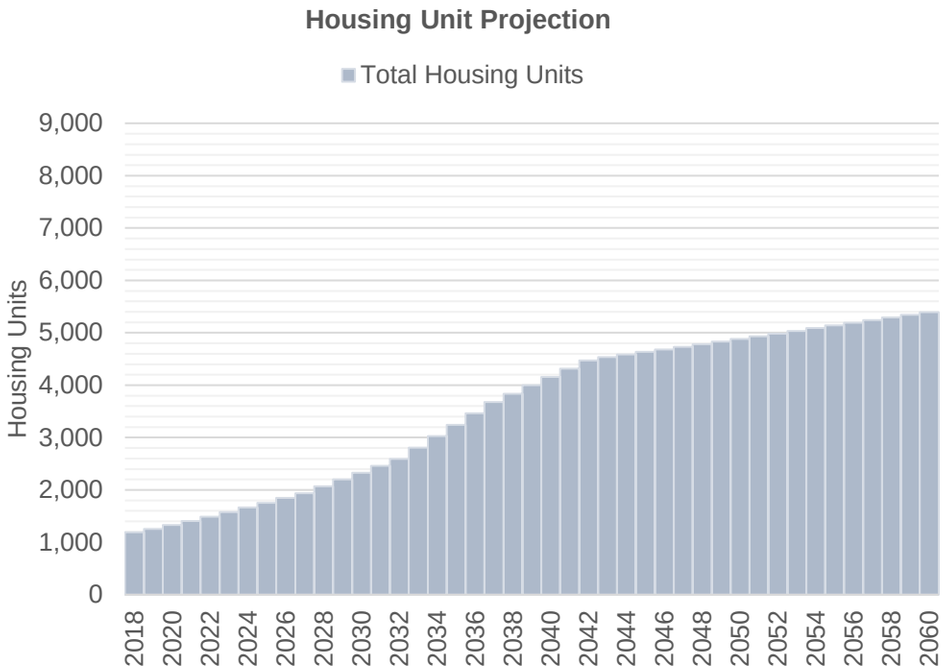
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

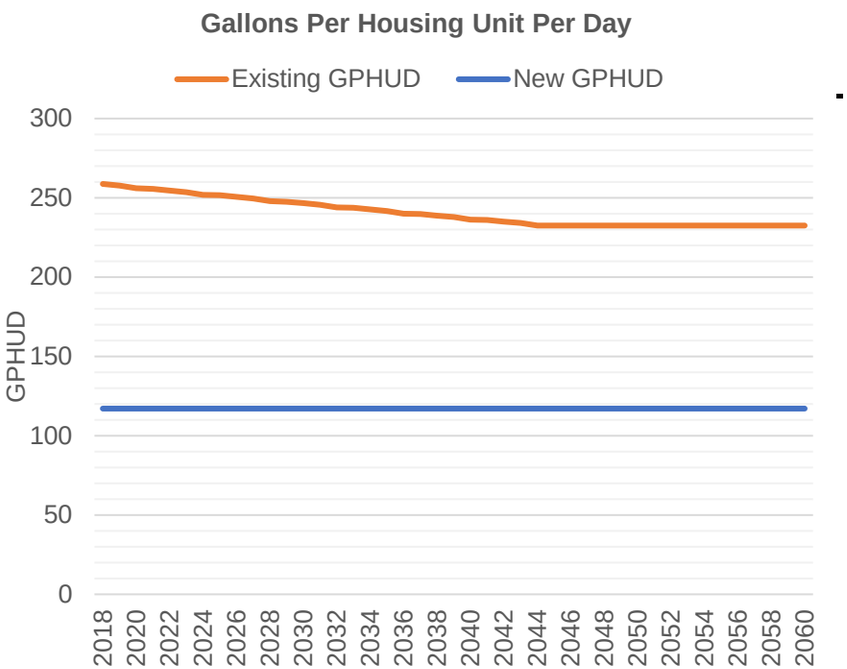
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	349	672	237	0	0	0	0	0	0	0	251	11
2019	349	670	237	0	0	0	0	0	0	0	250	11
2020	349	665	237	0	0	0	0	0	0	0	249	11
2021	349	664	237	0	0	0	0	0	0	0	248	11
2022	349	662	237	0	0	0	0	0	0	0	247	11
2023	349	659	237	0	0	0	0	0	0	0	246	11
2024	349	655	237	0	0	0	0	0	0	0	245	11
2025	349	654	237	0	0	0	0	0	0	0	244	11
2026	349	651	237	0	0	0	0	0	0	0	243	11
2027	349	649	237	0	0	0	0	0	0	0	242	11
2028	349	644	237	0	0	0	0	0	0	0	241	11
2029	349	643	237	0	0	0	0	0	0	0	240	11
2030	349	641	237	0	0	0	0	0	0	0	239	11
2031	349	638	237	0	0	0	0	0	0	0	238	11
2032	349	634	237	0	0	0	0	0	0	0	237	11
2033	349	633	237	0	0	0	0	0	0	0	236	11
2034	349	631	237	0	0	0	0	0	0	0	235	11
2035	349	628	237	0	0	0	0	0	0	0	234	11
2036	349	624	237	0	0	0	0	0	0	0	233	11
2037	349	623	237	0	0	0	0	0	0	0	232	11
2038	349	621	237	0	0	0	0	0	0	0	231	11
2039	349	618	237	0	0	0	0	0	0	0	230	11
2040	349	614	237	0	0	0	0	0	0	0	229	11
2041	349	613	237	0	0	0	0	0	0	0	228	11
2042	349	611	237	0	0	0	0	0	0	0	227	11
2043	350	608	237	0	0	0	0	0	0	0	226	11
2044	352	605	237	0	0	0	0	0	0	0	225	12
2045	354	605	237	0	0	0	0	0	0	0	225	12
2046	356	605	237	0	0	0	0	0	0	0	225	12
2047	357	605	237	0	0	0	0	0	0	0	225	13
2048	361	605	237	0	0	0	0	0	0	0	224	15
2049	366	605	237	0	0	0	0	0	0	0	221	19
2050	370	605	237	0	0	0	0	0	0	0	221	20
2051	375	605	237	0	0	0	0	0	0	0	221	21
2052	380	605	237	0	0	0	0	0	0	0	222	22
2053	384	605	237	0	0	0	0	0	0	0	222	23
2054	389	605	237	0	0	0	0	0	0	0	222	24
2055	394	605	237	0	0	0	0	0	0	0	223	25
2056	399	605	237	0	0	0	0	0	0	0	223	26
2057	404	605	237	0	0	0	0	0	0	0	223	27
2058	409	605	237	0	0	0	0	0	0	0	224	28
2059	414	605	237	0	0	0	0	0	0	0	224	29
2060	418	605	237	0	0	0	0	0	0	0	224	30

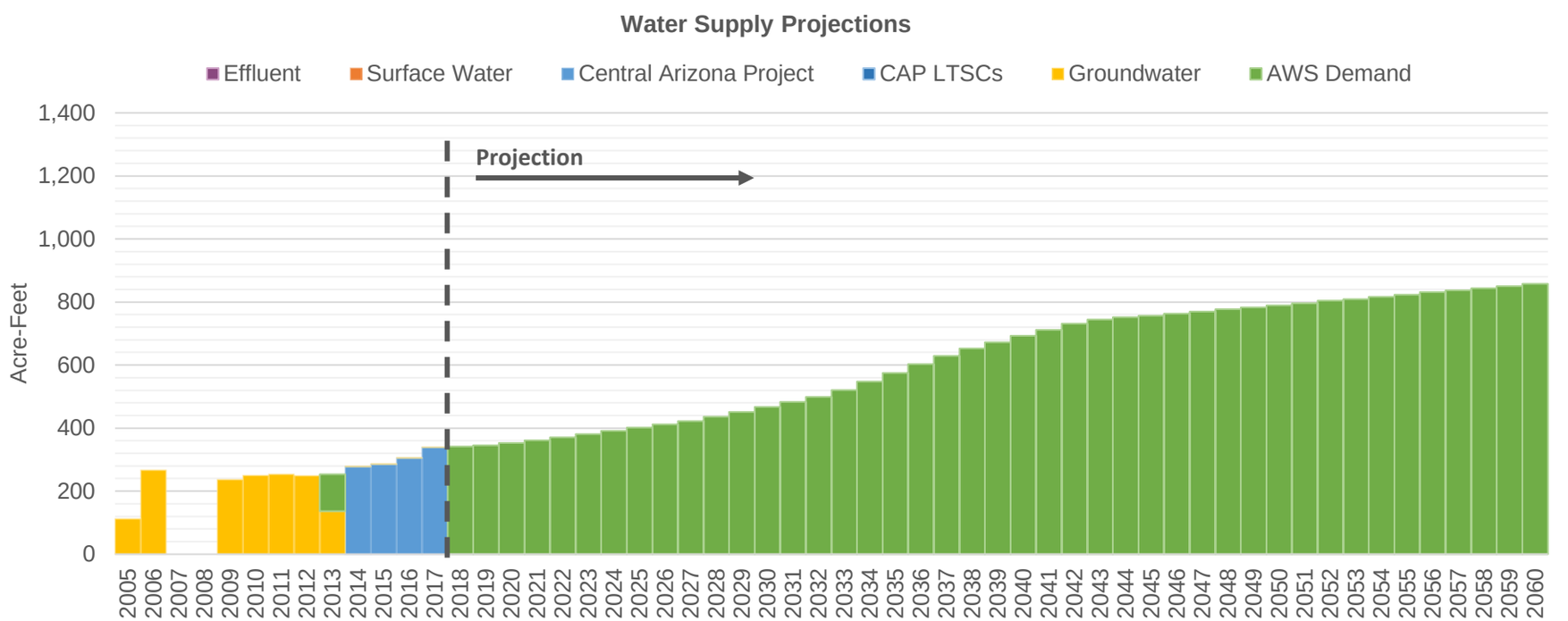
Central Arizona Project Service Area Model

MetroDiablo

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

MetroDiablo

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

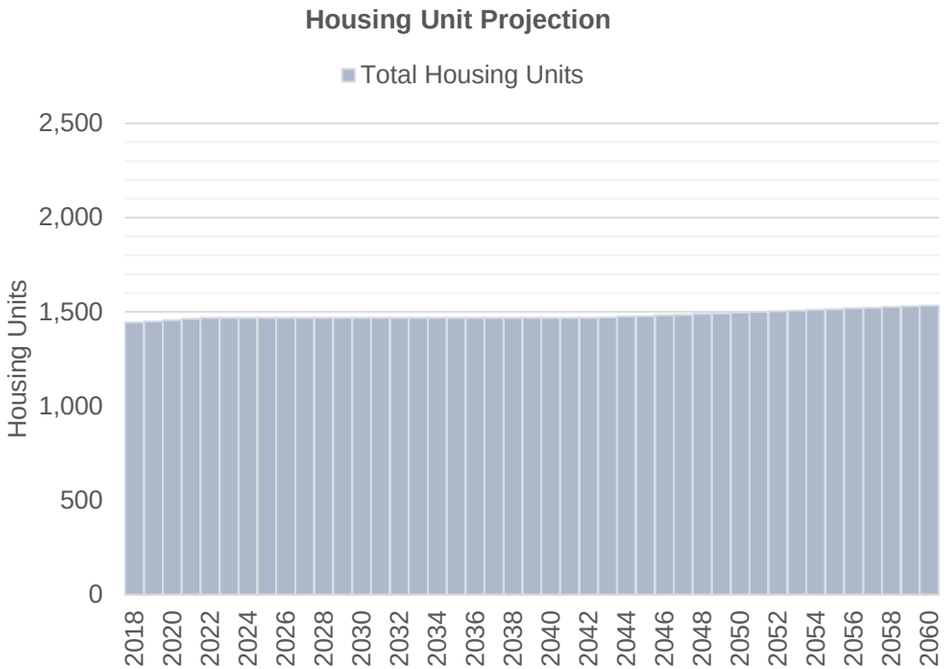
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

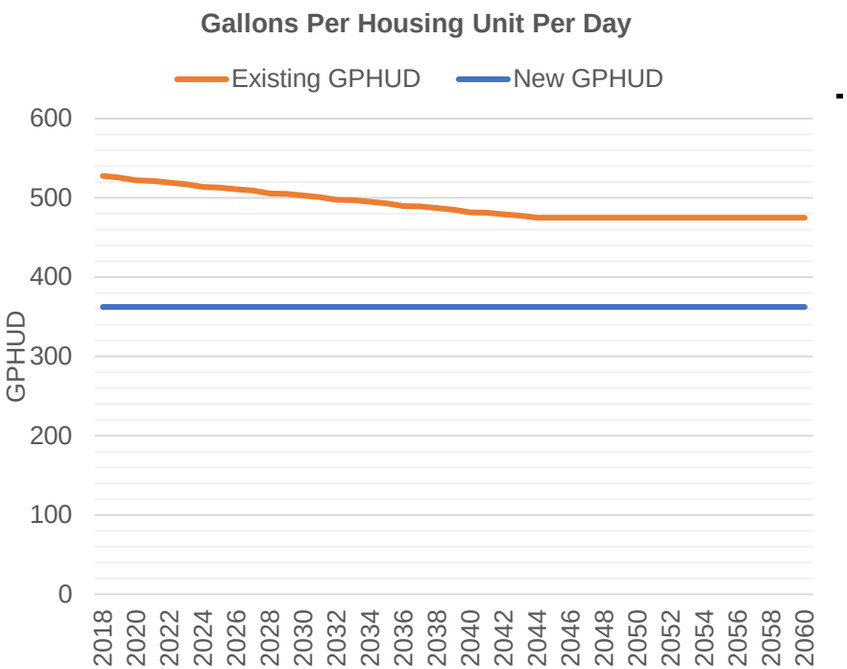
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,192	259	117	0	0	0	0	0	0	0	0	341
2019	1,254	258	117	0	0	0	0	0	0	0	0	345
2020	1,329	256	117	0	0	0	0	0	0	0	0	353
2021	1,409	256	117	0	0	0	0	0	0	0	0	362
2022	1,492	255	117	0	0	0	0	0	0	0	0	371
2023	1,580	254	117	0	0	0	0	0	0	0	0	381
2024	1,668	252	117	0	0	0	0	0	0	0	0	391
2025	1,757	252	117	0	0	0	0	0	0	0	0	401
2026	1,846	251	117	0	0	0	0	0	0	0	0	412
2027	1,940	250	117	0	0	0	0	0	0	0	0	422
2028	2,070	248	117	0	0	0	0	0	0	0	0	436
2029	2,199	248	117	0	0	0	0	0	0	0	0	451
2030	2,328	247	117	0	0	0	0	0	0	0	0	467
2031	2,458	246	117	0	0	0	0	0	0	0	0	483
2032	2.591	244	117	0	0	0	0	0	0	0	0	499
2033	2,809	244	117	0	0	0	0	0	0	0	0	520
2034	3,027	243	117	0	0	0	0	0	0	0	0	548
2035	3,245	242	117	0	0	0	0	0	0	0	0	575
2036	3,462	240	117	0	0	0	0	0	0	0	0	603
2037	3,678	240	117	0	0	0	0	0	0	0	0	630
2038	3,838	239	117	0	0	0	0	0	0	0	0	653
2039	3,997	238	117	0	0	0	0	0	0	0	0	673
2040	4,156	236	117	0	0	0	0	0	0	0	0	693
2041	4,313	236	117	0	0	0	0	0	0	0	0	712
2042	4,470	235	117	0	0	0	0	0	0	0	0	731
2043	4,534	234	117	0	0	0	0	0	0	0	0	744
2044	4,584	233	117	0	0	0	0	0	0	0	0	752
2045	4,634	233	117	0	0	0	0	0	0	0	0	757
2046	4,683	233	117	0	0	0	0	0	0	0	0	763
2047	4,731	233	117	0	0	0	0	0	0	0	0	770
2048	4,782	233	117	0	0	0	0	0	0	0	0	777
2049	4,833	233	117	0	0	0	0	0	0	0	0	783
2050	4,884	233	117	0	0	0	0	0	0	0	0	790
2051	4,934	233	117	0	0	0	0	0	0	0	0	796
2052	4,984	233	117	0	0	0	0	0	0	0	0	804
2053	5,035	233	117	0	0	0	0	0	0	0	0	809
2054	5,089	233	117	0	0	0	0	0	0	0	0	816
2055	5,142	233	117	0	0	0	0	0	0	0	0	823
2056	5,193	233	117	0	0	0	0	0	0	0	0	831
2057	5,245	233	117	0	0	0	0	0	0	0	0	837
2058	5,295	233	117	0	0	0	0	0	0	0	0	843
2059	5,345	233	117	0	0	0	0	0	0	0	0	850
2060	5,394	233	117	0	0	0	0	0	0	0	0	858

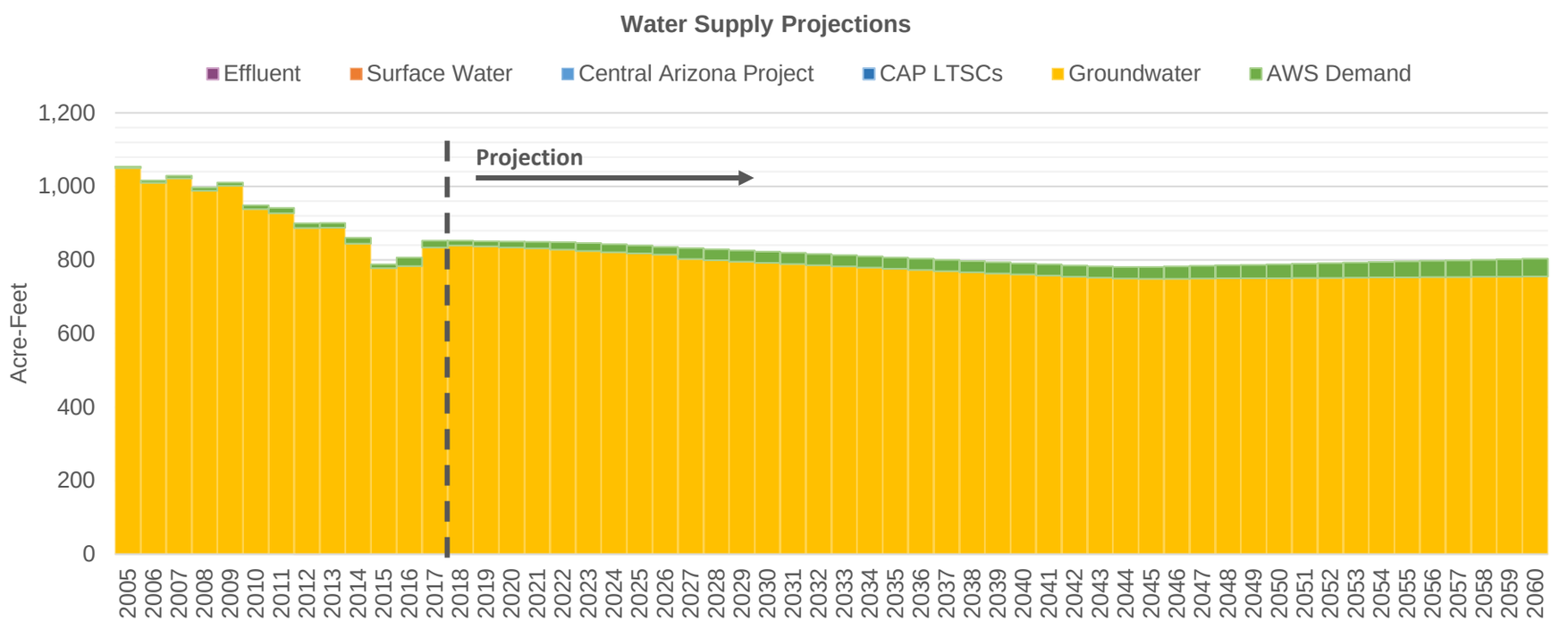
Central Arizona Project Service Area Model

MetroHub

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

MetroHub

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Demand Assumptions

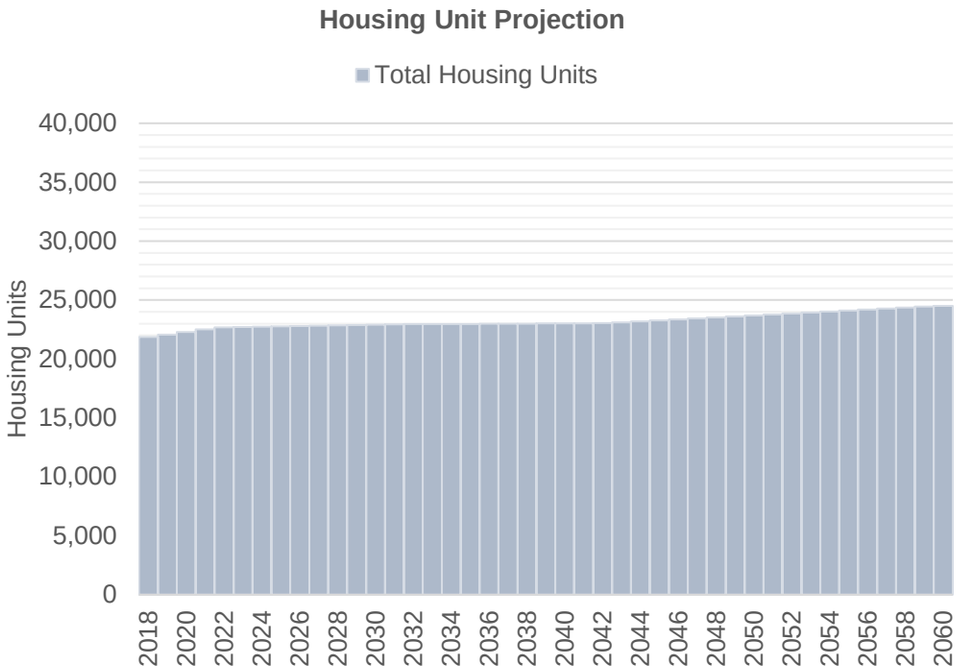
Water Supply Projections (Acre-Feet)

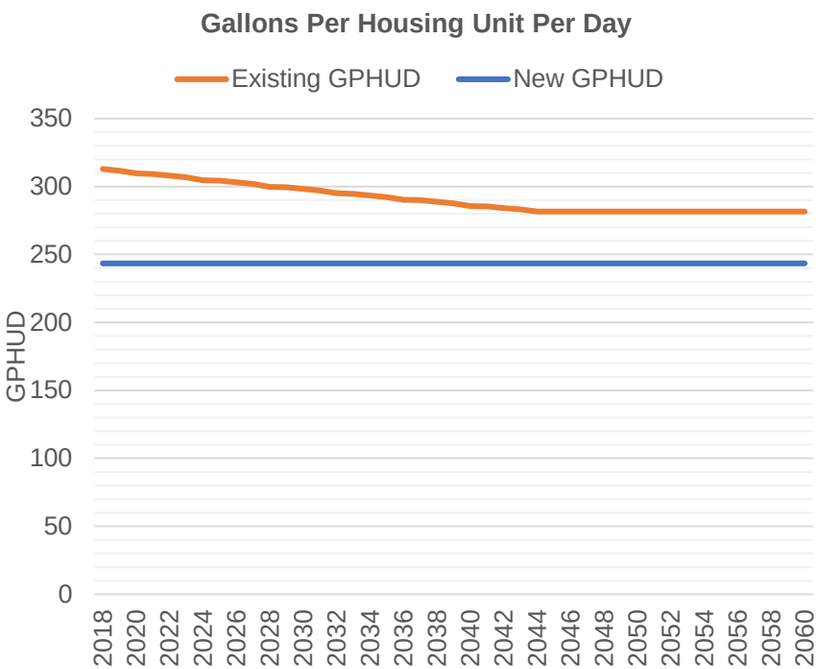
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,444	528	362	0	0	0	0	0	0	0	839	13
2019	1,450	526	362	0	0	0	0	0	0	0	837	14
2020	1,457	522	362	0	0	0	0	0	0	0	834	16
2021	1,463	521	362	0	0	0	0	0	0	0	831	18
2022	1,468	519	362	0	0	0	0	0	0	0	828	20
2023	1,468	517	362	0	0	0	0	0	0	0	825	21
2024	1,468	514	362	0	0	0	0	0	0	0	821	21
2025	1,468	513	362	0	0	0	0	0	0	0	818	21
2026	1,468	511	362	0	0	0	0	0	0	0	815	21
2027	1,468	509	362	0	0	0	0	0	0	0	803	30
2028	1,468	506	362	0	0	0	0	0	0	0	799	30
2029	1,468	505	362	0	0	0	0	0	0	0	796	30
2030	1,468	503	362	0	0	0	0	0	0	0	792	30
2031	1,468	501	362	0	0	0	0	0	0	0	789	30
2032	1,468	498	362	0	0	0	0	0	0	0	786	30
2033	1,468	497	362	0	0	0	0	0	0	0	783	30
2034	1,468	495	362	0	0	0	0	0	0	0	780	30
2035	1,468	493	362	0	0	0	0	0	0	0	776	30
2036	1,468	490	362	0	0	0	0	0	0	0	773	30
2037	1,468	489	362	0	0	0	0	0	0	0	770	30
2038	1,468	487	362	0	0	0	0	0	0	0	767	30
2039	1,468	485	362	0	0	0	0	0	0	0	764	30
2040	1,468	482	362	0	0	0	0	0	0	0	761	30
2041	1,468	481	362	0	0	0	0	0	0	0	757	30
2042	1,468	479	362	0	0	0	0	0	0	0	754	30
2043	1,471	477	362	0	0	0	0	0	0	0	752	30
2044	1,475	475	362	0	0	0	0	0	0	0	749	31
2045	1,478	475	362	0	0	0	0	0	0	0	749	32
2046	1,482	475	362	0	0	0	0	0	0	0	749	33
2047	1,485	475	362	0	0	0	0	0	0	0	749	34
2048	1,489	475	362	0	0	0	0	0	0	0	750	35
2049	1,492	475	362	0	0	0	0	0	0	0	750	36
2050	1,496	475	362	0	0	0	0	0	0	0	751	37
2051	1,500	475	362	0	0	0	0	0	0	0	751	39
2052	1,503	475	362	0	0	0	0	0	0	0	752	40
2053	1,507	475	362	0	0	0	0	0	0	0	752	41
2054	1,511	475	362	0	0	0	0	0	0	0	753	42
2055	1,515	475	362	0	0	0	0	0	0	0	753	43
2056	1,519	475	362	0	0	0	0	0	0	0	754	44
2057	1,522	475	362	0	0	0	0	0	0	0	754	45
2058	1,526	475	362	0	0	0	0	0	0	0	754	46
2059	1,530	475	362	0	0	0	0	0	0	0	755	47
2060	1,533	475	362	0	0	0	0	0	0	0	755	48

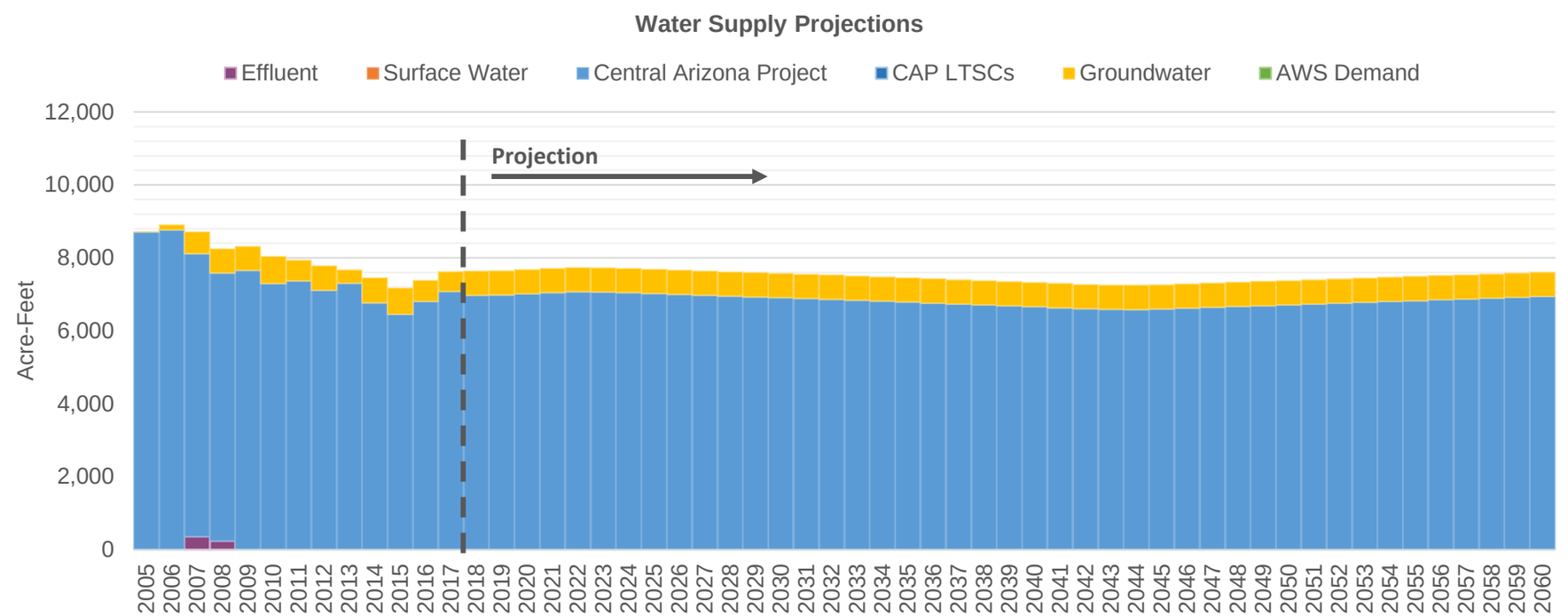
Central Arizona Project Service Area Model

MetroMain

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

MetroMain

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

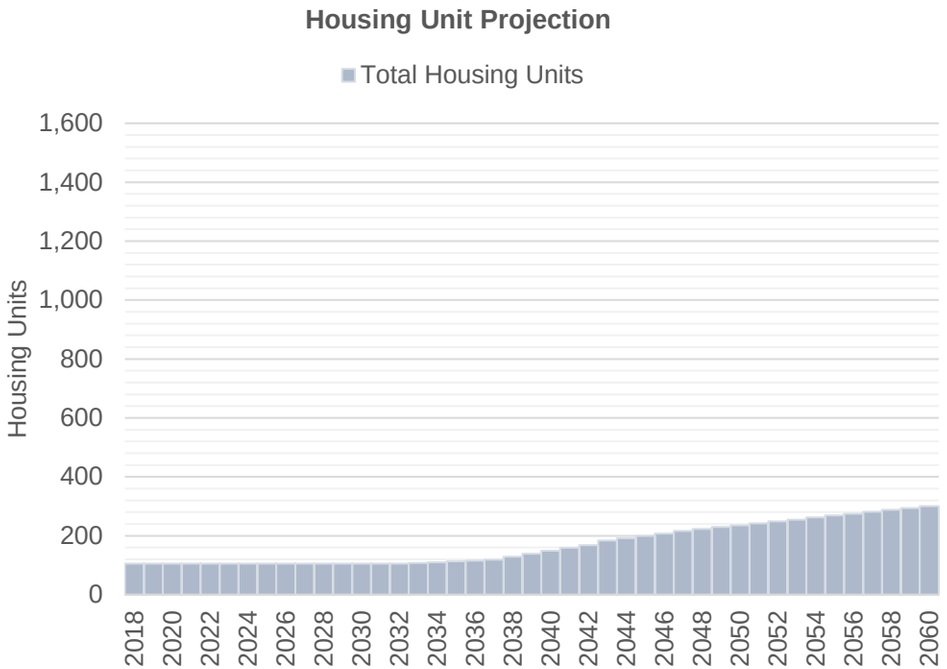
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

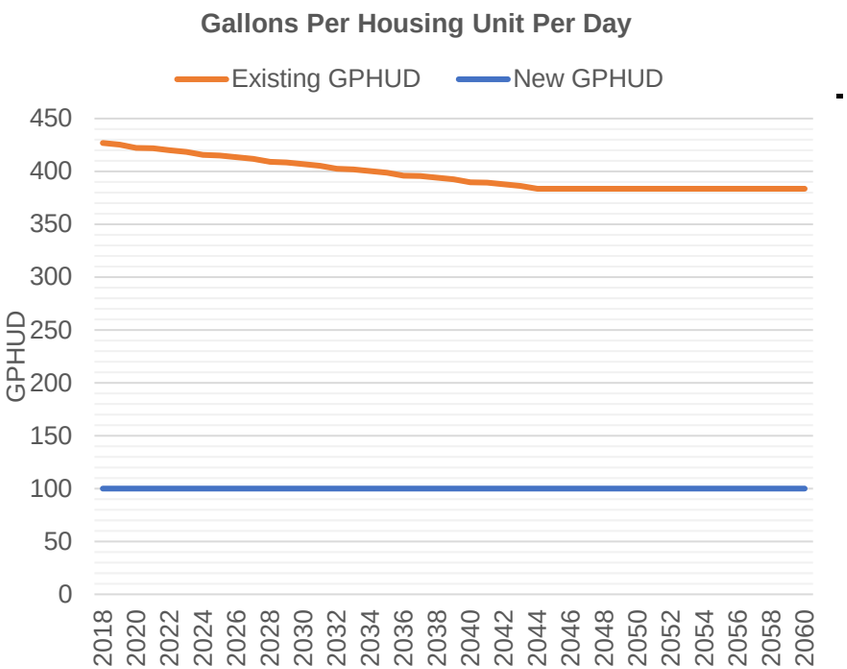
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	21,865	313	243	0	0	0	0	6,974	6,486	0	668	0
2019	22,066	312	243	0	0	0	0	6,985	6,475	0	668	0
2020	22,287	310	243	0	0	0	0	7,012	6,448	0	668	0
2021	22,520	309	243	0	0	0	0	7,043	6,417	0	668	0
2022	22,693	308	243	0	0	0	0	7,069	6,391	0	668	0
2023	22,718	307	243	0	0	0	0	7,066	6,394	0	668	0
2024	22,743	305	243	0	0	0	0	7,043	6,417	0	668	0
2025	22,768	304	243	0	0	0	0	7,020	6,440	0	668	0
2026	22,794	303	243	0	0	0	0	6,997	6,463	0	668	0
2027	22,819	302	243	0	0	0	0	6,974	6,486	0	668	0
2028	22,846	300	243	0	0	0	0	6,953	6,507	0	668	0
2029	22,872	299	243	0	0	0	0	6,930	6,530	0	668	0
2030	22,899	298	243	0	0	0	0	6,908	6,552	0	668	0
2031	22,925	297	243	0	0	0	0	6,886	6,574	0	668	0
2032	22,951	295	243	0	0	0	0	6,865	6,595	0	668	0
2033	22,959	295	243	0	0	0	0	6,840	6,620	0	668	0
2034	22,968	293	243	0	0	0	0	6,814	6,646	0	668	0
2035	22,976	292	243	0	0	0	0	6,787	6,673	0	668	0
2036	22,984	290	243	0	0	0	0	6,762	6,698	0	668	0
2037	22,993	290	243	0	0	0	0	6,735	6,725	0	668	0
2038	23,002	289	243	0	0	0	0	6,709	5,832	0	668	0
2039	23,011	288	243	0	0	0	0	6,683	3,733	0	668	0
2040	23,020	286	243	0	0	0	0	6,659	5,654	0	668	0
2041	23,029	285	243	0	0	0	0	6,632	6,617	0	668	0
2042	23,038	284	243	0	0	0	0	6,607	6,523	0	668	0
2043	23,111	283	243	0	0	0	0	6,590	6,870	0	668	0
2044	23,194	282	243	0	0	0	0	6,585	6,875	0	668	0
2045	23,276	282	243	0	0	0	0	6,599	6,861	0	668	0
2046	23,358	282	243	0	0	0	0	6,621	6,404	0	668	0
2047	23,439	282	243	0	0	0	0	6,643	6,817	0	668	0
2048	23,522	282	243	0	0	0	0	6,667	6,358	0	668	0
2049	23,606	282	243	0	0	0	0	6,688	6,337	0	668	0
2050	23,690	282	243	0	0	0	0	6,711	6,314	0	668	0
2051	23,773	282	243	0	0	0	0	6,734	6,291	0	668	0
2052	23,855	282	243	0	0	0	0	6,758	5,333	0	668	0
2053	23,939	282	243	0	0	0	0	6,779	5,312	0	668	0
2054	24,025	282	243	0	0	0	0	6,802	3,772	0	668	0
2055	24,110	282	243	0	0	0	0	6,826	2,581	0	668	0
2056	24,194	282	243	0	0	0	0	6,850	805	0	668	0
2057	24,277	282	243	0	0	0	0	6,871	3,702	0	668	0
2058	24,358	282	243	0	0	0	0	6,894	4,264	0	668	0
2059	24,439	282	243	0	0	0	0	6,916	4,008	0	668	0
2060	24,518	282	243	0	0	0	0	6,940	3,984	0	668	0

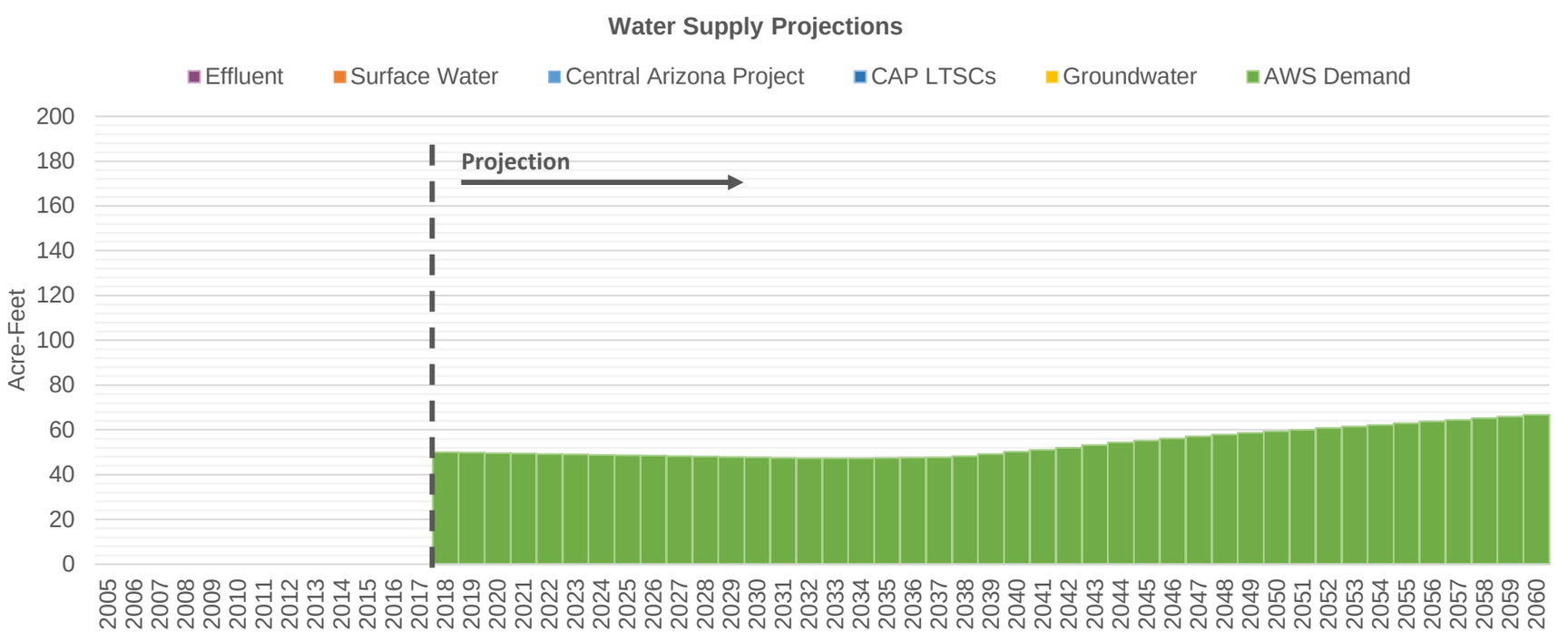
Central Arizona Project Service Area Model

MetroWest

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

MetroWest

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

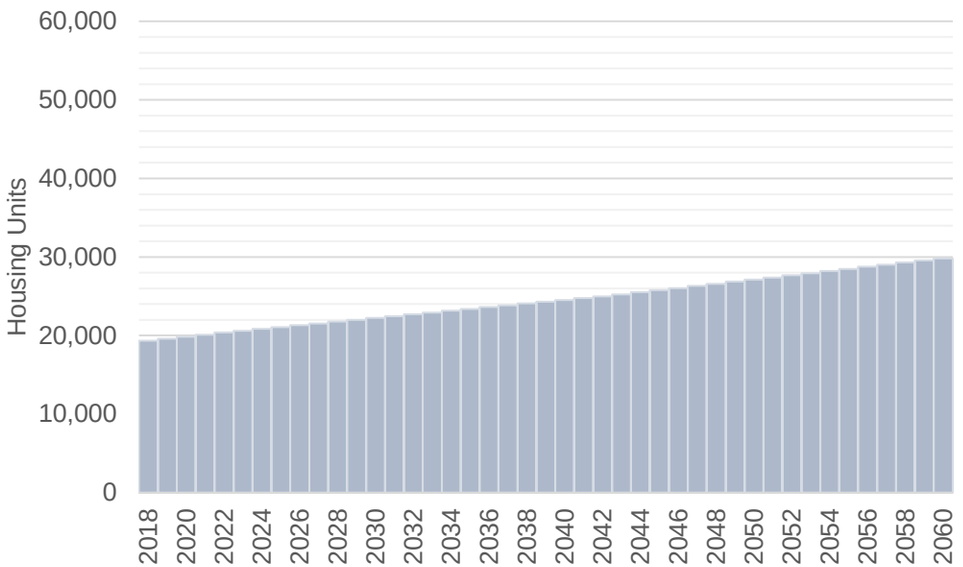
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	105	427	100	0	0	0	0	0	0	0	0	50
2019	105	425	100	0	0	0	0	0	0	0	0	50
2020	105	422	100	0	0	0	0	0	0	0	0	50
2021	105	422	100	0	0	0	0	0	0	0	0	49
2022	105	420	100	0	0	0	0	0	0	0	0	49
2023	105	418	100	0	0	0	0	0	0	0	0	49
2024	105	416	100	0	0	0	0	0	0	0	0	49
2025	105	415	100	0	0	0	0	0	0	0	0	49
2026	105	413	100	0	0	0	0	0	0	0	0	48
2027	105	412	100	0	0	0	0	0	0	0	0	48
2028	105	409	100	0	0	0	0	0	0	0	0	48
2029	105	408	100	0	0	0	0	0	0	0	0	48
2030	105	407	100	0	0	0	0	0	0	0	0	48
2031	105	405	100	0	0	0	0	0	0	0	0	48
2032	105	403	100	0	0	0	0	0	0	0	0	47
2033	108	402	100	0	0	0	0	0	0	0	0	47
2034	110	400	100	0	0	0	0	0	0	0	0	47
2035	113	399	100	0	0	0	0	0	0	0	0	47
2036	116	396	100	0	0	0	0	0	0	0	0	48
2037	119	396	100	0	0	0	0	0	0	0	0	48
2038	129	394	100	0	0	0	0	0	0	0	0	48
2039	139	392	100	0	0	0	0	0	0	0	0	49
2040	149	390	100	0	0	0	0	0	0	0	0	50
2041	159	389	100	0	0	0	0	0	0	0	0	51
2042	168	388	100	0	0	0	0	0	0	0	0	52
2043	184	386	100	0	0	0	0	0	0	0	0	53
2044	192	384	100	0	0	0	0	0	0	0	0	54
2045	200	384	100	0	0	0	0	0	0	0	0	55
2046	208	384	100	0	0	0	0	0	0	0	0	56
2047	216	384	100	0	0	0	0	0	0	0	0	57
2048	223	384	100	0	0	0	0	0	0	0	0	58
2049	230	384	100	0	0	0	0	0	0	0	0	59
2050	236	384	100	0	0	0	0	0	0	0	0	59
2051	242	384	100	0	0	0	0	0	0	0	0	60
2052	249	384	100	0	0	0	0	0	0	0	0	61
2053	255	384	100	0	0	0	0	0	0	0	0	62
2054	262	384	100	0	0	0	0	0	0	0	0	62
2055	269	384	100	0	0	0	0	0	0	0	0	63
2056	275	384	100	0	0	0	0	0	0	0	0	64
2057	282	384	100	0	0	0	0	0	0	0	0	64
2058	288	384	100	0	0	0	0	0	0	0	0	65
2059	294	384	100	0	0	0	0	0	0	0	0	66
2060	301	384	100	0	0	0	0	0	0	0	0	67

Central Arizona Project Service Area Model

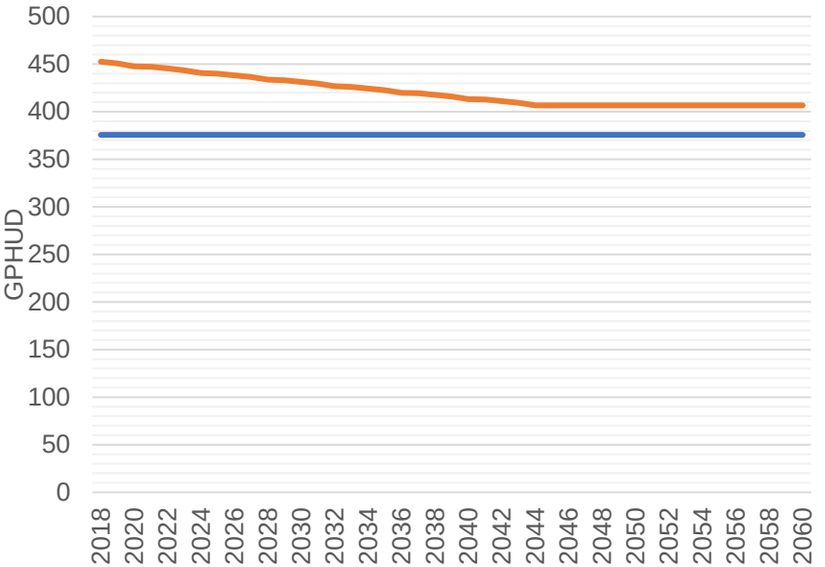
E. Official, Very Dry [LSCRBS]

OroValley

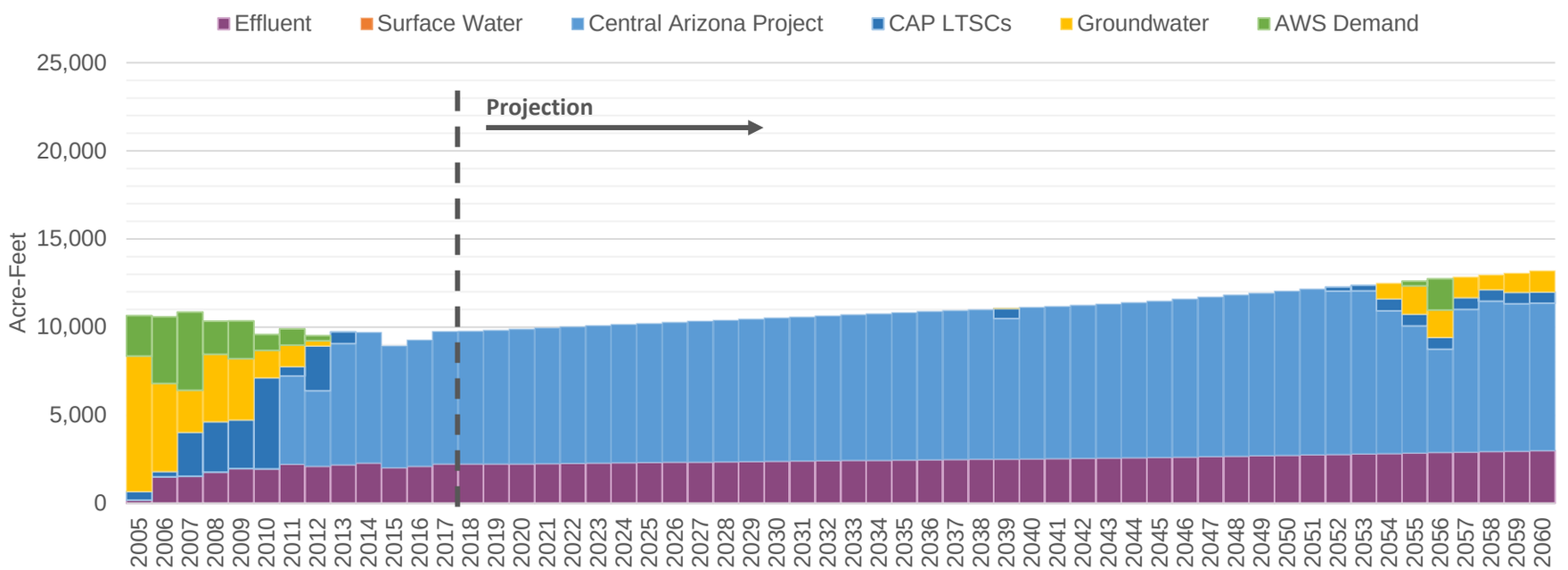
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

OroValley

E. Official, Very Dry [LSCRBS]

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Demand Assumptions

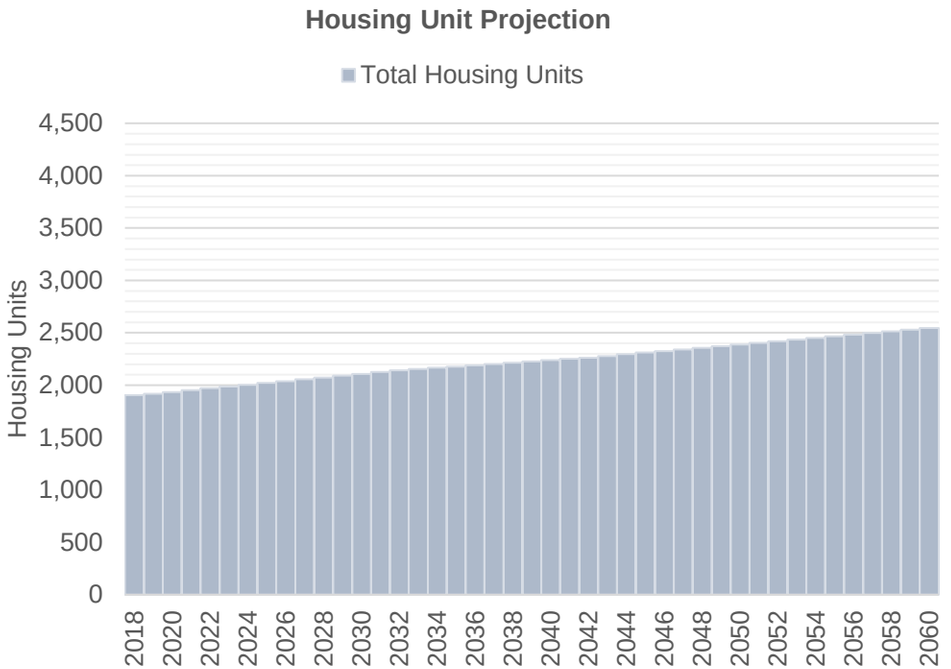
Water Supply Projections (Acre-Feet)

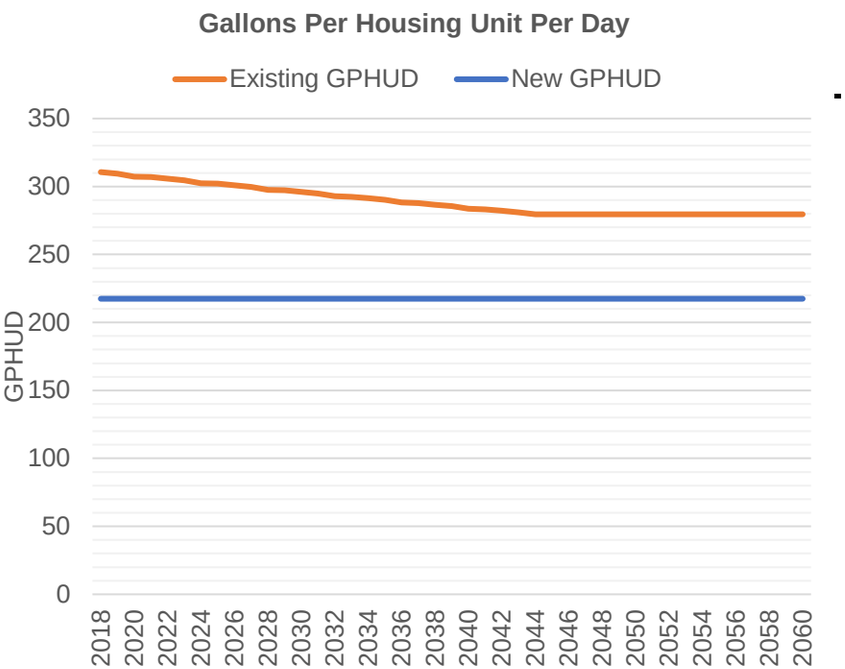
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	19,342	453	376	2,232	0	0	0	7,537	2,768	0	0	0
2019	19,581	451	376	2,232	0	0	0	7,574	2,731	0	0	0
2020	19,843	448	376	2,240	0	0	0	7,633	2,672	0	0	0
2021	20,119	447	376	2,256	0	0	0	7,691	2,614	0	0	0
2022	20,384	445	376	2,273	0	0	0	7,750	2,555	0	0	0
2023	20,613	444	376	2,290	0	0	0	7,798	2,507	0	0	0
2024	20,843	441	376	2,305	0	0	0	7,843	2,462	0	0	0
2025	21,074	440	376	2,319	0	0	0	7,887	2,418	0	0	0
2026	21,306	438	376	2,332	0	0	0	7,933	2,372	0	0	0
2027	21,538	437	376	2,345	0	0	0	7,980	2,325	0	0	0
2028	21,772	434	376	2,359	0	0	0	8,029	2,276	0	0	0
2029	22,007	433	376	2,373	0	0	0	8,074	2,231	0	0	0
2030	22,242	431	376	2,387	0	0	0	8,121	2,184	0	0	0
2031	22,477	430	376	2,401	0	0	0	8,169	2,136	0	0	0
2032	22,712	427	376	2,415	0	0	0	8,221	2,084	0	0	0
2033	22,942	426	376	2,430	0	0	0	8,263	2,042	0	0	0
2034	23,172	424	376	2,443	0	0	0	8,310	1,995	0	0	0
2035	23,401	423	376	2,457	0	0	0	8,356	1,949	0	0	0
2036	23,630	420	376	2,471	0	0	0	8,407	1,898	0	0	0
2037	23,858	419	376	2,485	0	0	0	8,448	1,857	0	0	0
2038	24,086	418	376	2,498	0	0	0	8,495	1,107	0	0	0
2039	24,313	416	376	2,512	0	0	0	7,975	0	564	2	0
2040	24,539	413	376	2,525	0	0	0	8,593	834	0	0	0
2041	24,764	413	376	2,540	0	0	0	8,631	1,513	0	0	0
2042	24,988	411	376	2,552	0	0	0	8,678	1,374	0	0	0
2043	25,251	409	376	2,566	0	0	0	8,731	1,574	0	0	0
2044	25,520	407	376	2,581	0	0	0	8,800	1,505	0	0	0
2045	25,787	407	376	2,600	0	0	0	8,876	1,429	0	0	0
2046	26,052	407	376	2,622	0	0	0	8,966	1,006	0	0	0
2047	26,314	407	376	2,648	0	0	0	9,052	1,253	0	0	0
2048	26,584	407	376	2,673	0	0	0	9,147	826	0	0	0
2049	26,858	407	376	2,701	0	0	0	9,225	747	0	0	0
2050	27,129	407	376	2,725	0	0	0	9,316	656	0	0	0
2051	27,398	407	376	2,751	0	0	0	9,403	569	0	0	0
2052	27,663	407	376	2,777	0	0	0	9,257	0	242	0	0
2053	27,936	407	376	2,805	0	0	0	9,257	0	318	0	0
2054	28,215	407	376	2,828	0	0	0	8,095	0	679	893	0
2055	28,491	407	376	2,855	0	0	0	7,202	0	672	1,615	268
2056	28,763	407	376	2,882	0	0	0	5,861	0	665	1,559	1,771
2057	29,032	407	376	2,911	0	0	0	8,095	0	659	1,177	0
2058	29,296	407	376	2,934	0	0	0	8,542	0	652	825	0
2059	29,556	407	376	2,960	0	0	0	8,363	0	646	1,095	0
2060	29,812	407	376	2,985	0	0	0	8,363	0	639	1,197	0

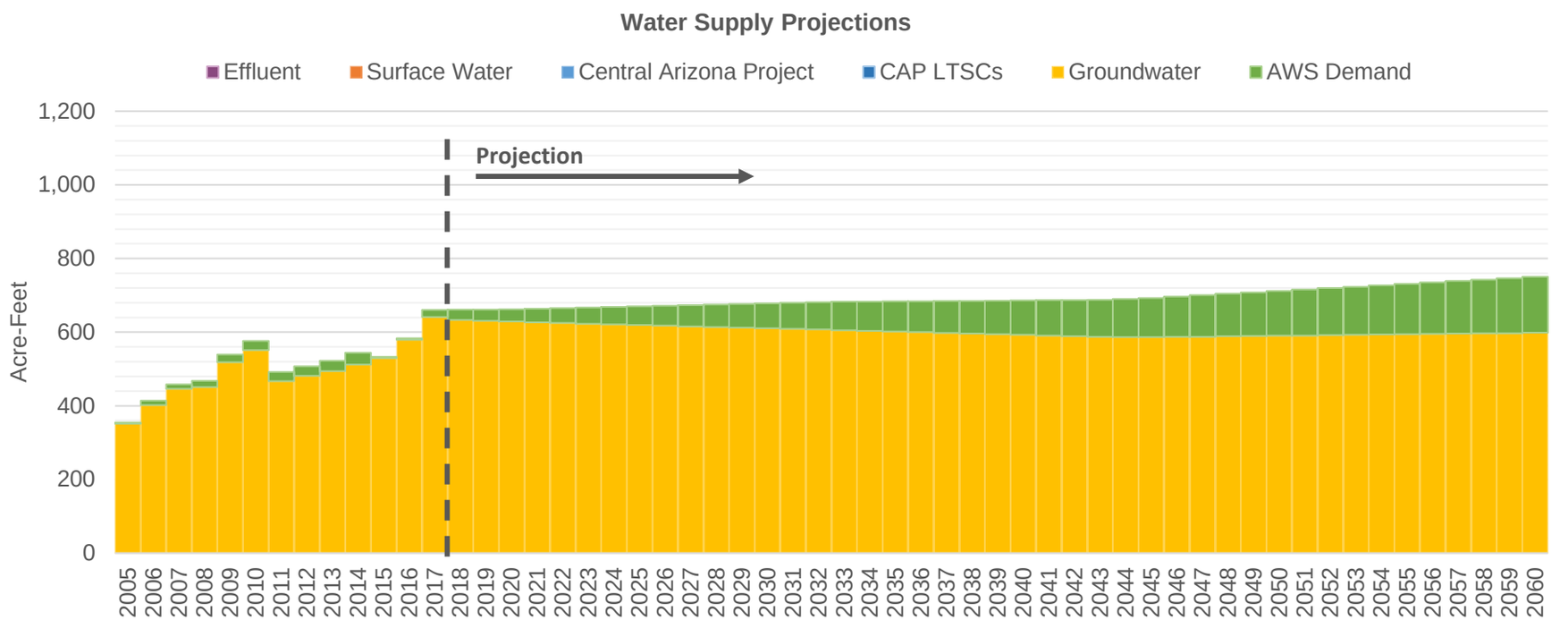
Central Arizona Project Service Area Model

QuailCreek

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

QuailCreek

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions

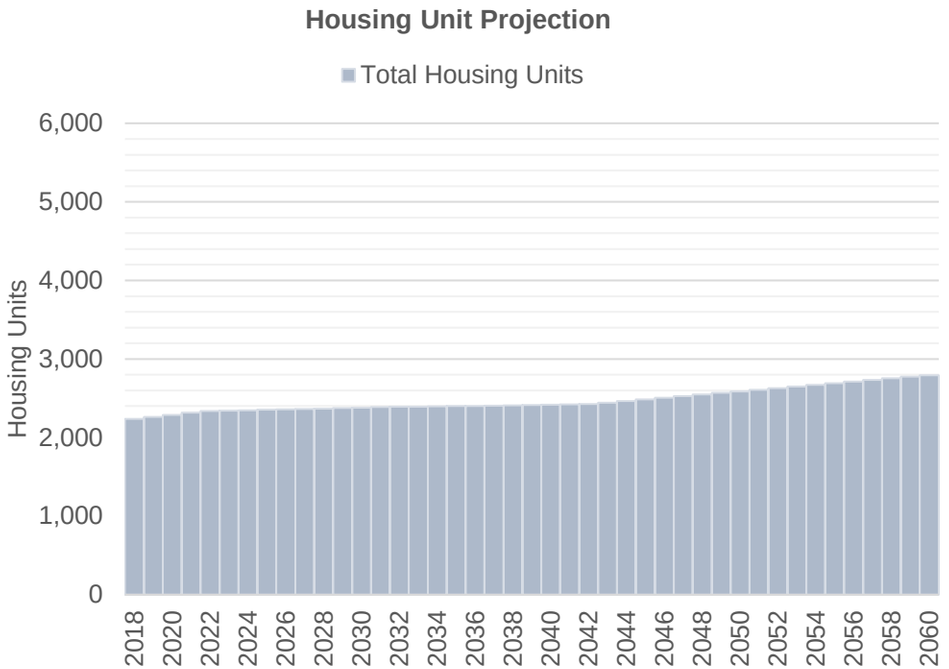
Water Supply Projections (Acre-Feet)

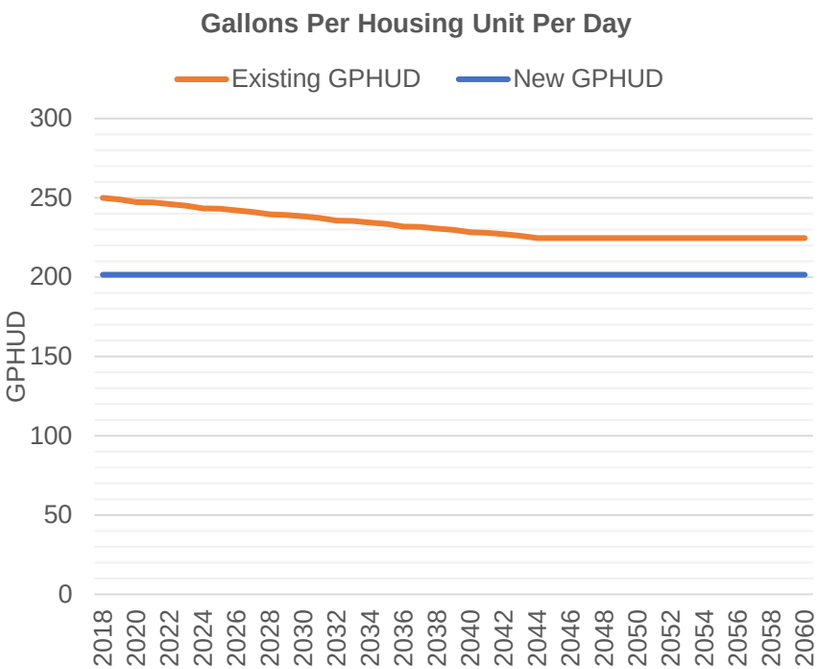
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,905	311	217	0	0	0	0	0	0	0	633	28
2019	1,919	309	217	0	0	0	0	0	0	0	631	30
2020	1,935	307	217	0	0	0	0	0	0	0	629	33
2021	1,952	307	217	0	0	0	0	0	0	0	627	37
2022	1,970	306	217	0	0	0	0	0	0	0	625	40
2023	1,987	304	217	0	0	0	0	0	0	0	623	44
2024	2,004	302	217	0	0	0	0	0	0	0	621	47
2025	2,021	302	217	0	0	0	0	0	0	0	619	51
2026	2,039	301	217	0	0	0	0	0	0	0	618	54
2027	2,056	300	217	0	0	0	0	0	0	0	616	57
2028	2,073	298	217	0	0	0	0	0	0	0	614	61
2029	2,090	297	217	0	0	0	0	0	0	0	613	64
2030	2,108	296	217	0	0	0	0	0	0	0	611	67
2031	2,125	295	217	0	0	0	0	0	0	0	609	71
2032	2,142	293	217	0	0	0	0	0	0	0	608	74
2033	2,154	292	217	0	0	0	0	0	0	0	605	77
2034	2,166	291	217	0	0	0	0	0	0	0	604	79
2035	2,178	290	217	0	0	0	0	0	0	0	602	82
2036	2,190	288	217	0	0	0	0	0	0	0	600	84
2037	2,202	288	217	0	0	0	0	0	0	0	598	86
2038	2,214	287	217	0	0	0	0	0	0	0	596	89
2039	2,227	286	217	0	0	0	0	0	0	0	595	91
2040	2,239	284	217	0	0	0	0	0	0	0	593	93
2041	2,251	283	217	0	0	0	0	0	0	0	591	96
2042	2,263	282	217	0	0	0	0	0	0	0	589	98
2043	2,279	281	217	0	0	0	0	0	0	0	588	100
2044	2,295	280	217	0	0	0	0	0	0	0	587	103
2045	2,311	280	217	0	0	0	0	0	0	0	586	107
2046	2,326	280	217	0	0	0	0	0	0	0	587	110
2047	2,341	280	217	0	0	0	0	0	0	0	588	112
2048	2,357	280	217	0	0	0	0	0	0	0	589	115
2049	2,373	280	217	0	0	0	0	0	0	0	590	118
2050	2,389	280	217	0	0	0	0	0	0	0	590	122
2051	2,404	280	217	0	0	0	0	0	0	0	591	125
2052	2,420	280	217	0	0	0	0	0	0	0	592	128
2053	2,436	280	217	0	0	0	0	0	0	0	593	131
2054	2,452	280	217	0	0	0	0	0	0	0	594	134
2055	2,468	280	217	0	0	0	0	0	0	0	594	137
2056	2,484	280	217	0	0	0	0	0	0	0	596	140
2057	2,499	280	217	0	0	0	0	0	0	0	596	143
2058	2,515	280	217	0	0	0	0	0	0	0	597	146
2059	2,530	280	217	0	0	0	0	0	0	0	598	149
2060	2,545	280	217	0	0	0	0	0	0	0	599	152

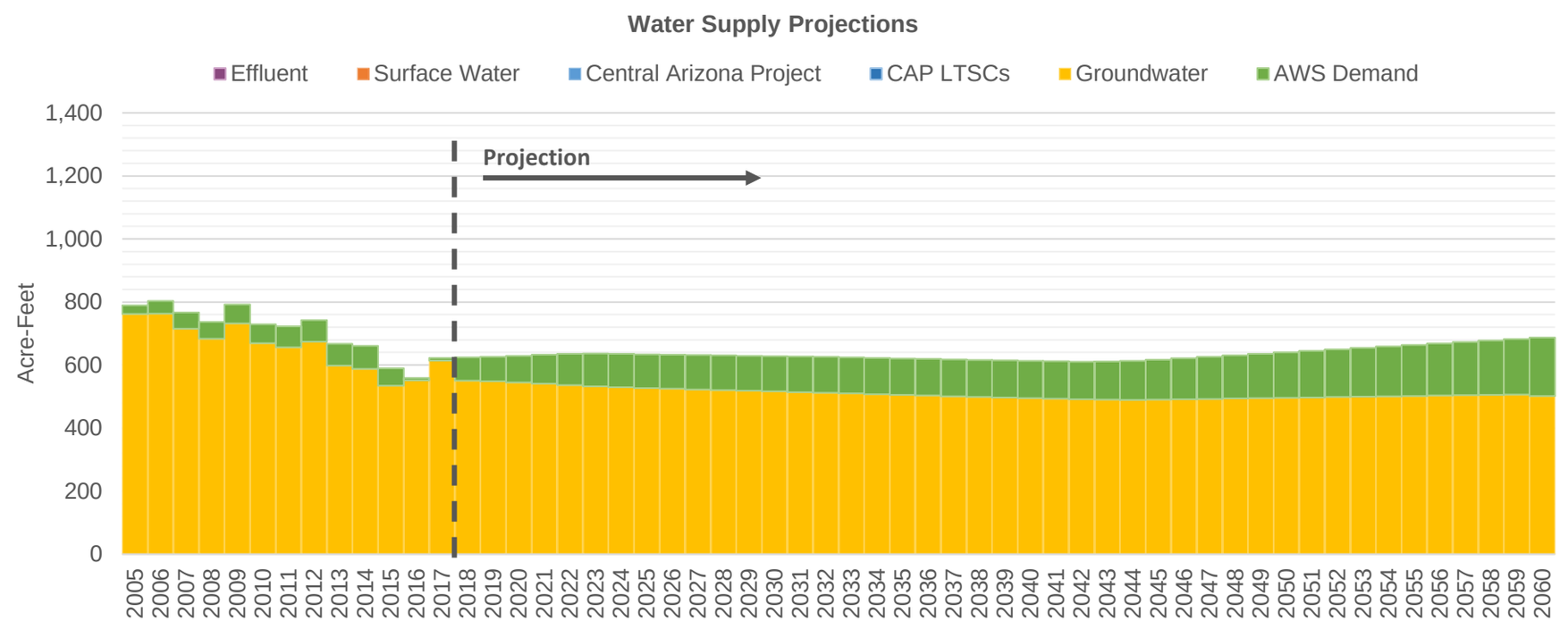
Central Arizona Project Service Area Model

RayWC

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

RayWC

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions

Water Supply Projections (Acre-Feet)

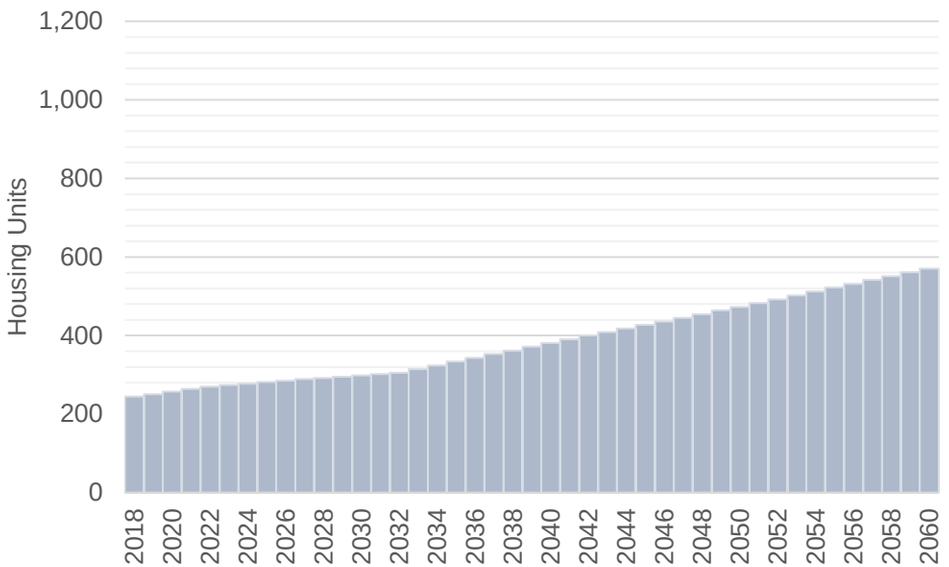
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	2,238	250	202	0	0	0	0	0	0	0	551	74
2019	2,263	249	202	0	0	0	0	0	0	0	548	78
2020	2,289	247	202	0	0	0	0	0	0	0	545	85
2021	2,316	247	202	0	0	0	0	0	0	0	541	92
2022	2,337	246	202	0	0	0	0	0	0	0	537	99
2023	2,343	245	202	0	0	0	0	0	0	0	532	104
2024	2,348	243	202	0	0	0	0	0	0	0	530	106
2025	2,354	243	202	0	0	0	0	0	0	0	527	107
2026	2,359	242	202	0	0	0	0	0	0	0	525	108
2027	2,365	241	202	0	0	0	0	0	0	0	523	109
2028	2,370	240	202	0	0	0	0	0	0	0	521	110
2029	2,376	239	202	0	0	0	0	0	0	0	519	111
2030	2,381	238	202	0	0	0	0	0	0	0	516	112
2031	2,387	237	202	0	0	0	0	0	0	0	514	113
2032	2,392	236	202	0	0	0	0	0	0	0	512	114
2033	2,395	235	202	0	0	0	0	0	0	0	510	115
2034	2,397	234	202	0	0	0	0	0	0	0	508	115
2035	2,400	234	202	0	0	0	0	0	0	0	506	116
2036	2,403	232	202	0	0	0	0	0	0	0	504	116
2037	2,405	232	202	0	0	0	0	0	0	0	501	117
2038	2,409	231	202	0	0	0	0	0	0	0	499	117
2039	2,413	230	202	0	0	0	0	0	0	0	497	118
2040	2,418	228	202	0	0	0	0	0	0	0	495	118
2041	2,422	228	202	0	0	0	0	0	0	0	493	119
2042	2,426	227	202	0	0	0	0	0	0	0	491	120
2043	2,445	226	202	0	0	0	0	0	0	0	491	120
2044	2,466	225	202	0	0	0	0	0	0	0	490	124
2045	2,486	225	202	0	0	0	0	0	0	0	490	127
2046	2,506	225	202	0	0	0	0	0	0	0	491	130
2047	2,526	225	202	0	0	0	0	0	0	0	493	134
2048	2,547	225	202	0	0	0	0	0	0	0	494	137
2049	2,568	225	202	0	0	0	0	0	0	0	495	141
2050	2,588	225	202	0	0	0	0	0	0	0	496	144
2051	2,609	225	202	0	0	0	0	0	0	0	497	148
2052	2,629	225	202	0	0	0	0	0	0	0	499	151
2053	2,650	225	202	0	0	0	0	0	0	0	500	154
2054	2,671	225	202	0	0	0	0	0	0	0	501	158
2055	2,692	225	202	0	0	0	0	0	0	0	502	162
2056	2,713	225	202	0	0	0	0	0	0	0	504	165
2057	2,734	225	202	0	0	0	0	0	0	0	505	169
2058	2,754	225	202	0	0	0	0	0	0	0	506	172
2059	2,774	225	202	0	0	0	0	0	0	0	507	176
2060	2,793	225	202	0	0	0	0	0	0	0	501	186

RidgeView

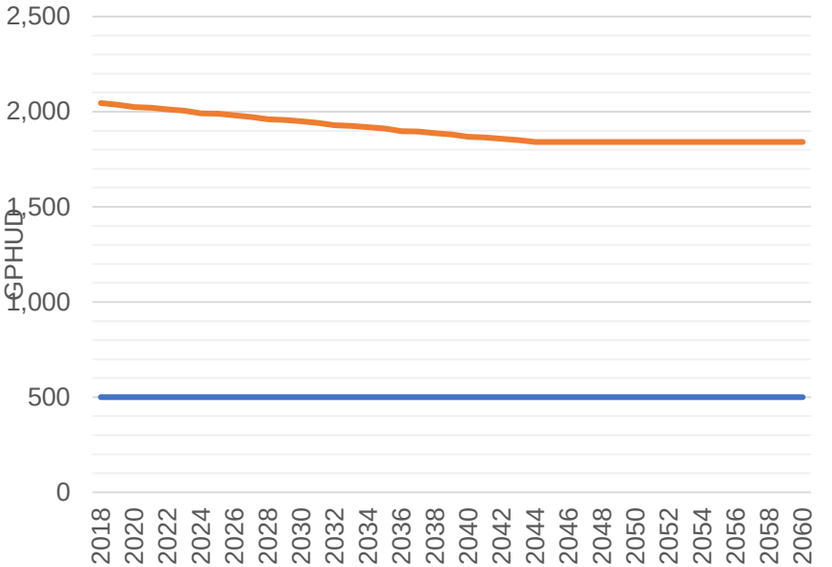
Central Arizona Project Service Area Model

E. Official, Very Dry [LSCRBS]

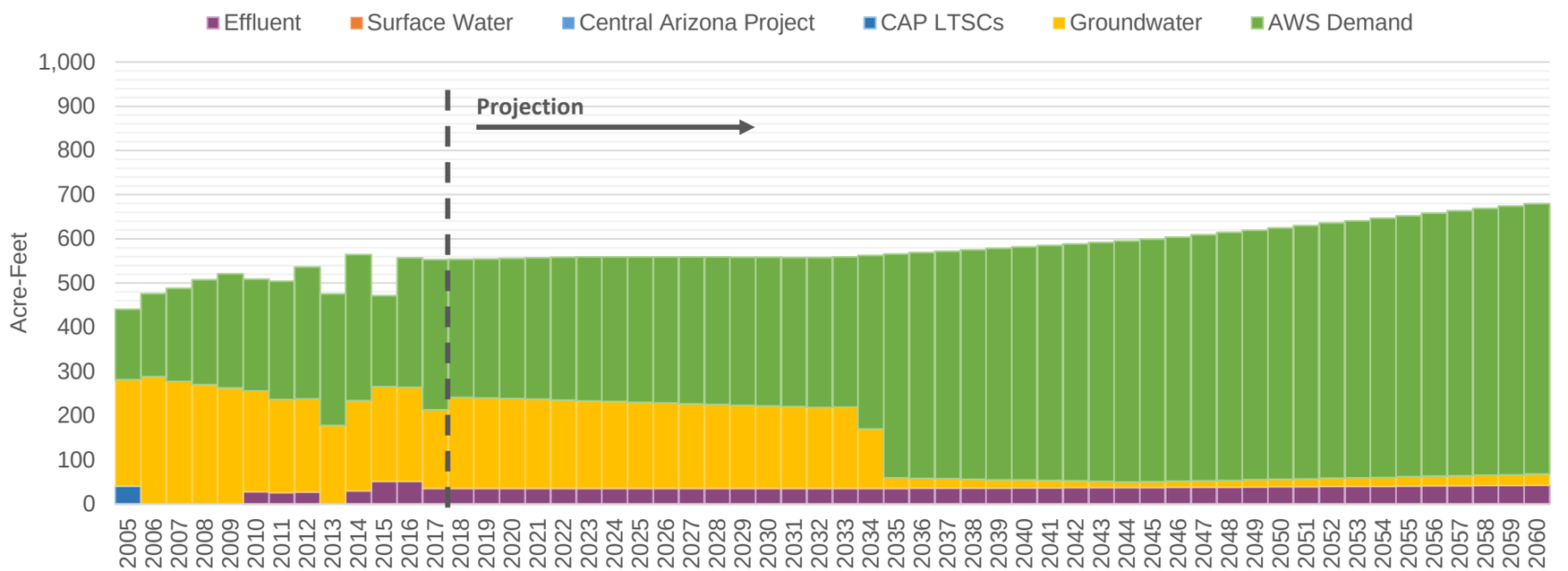
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

RidgeView

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions

Water Supply Projections (Acre-Feet)

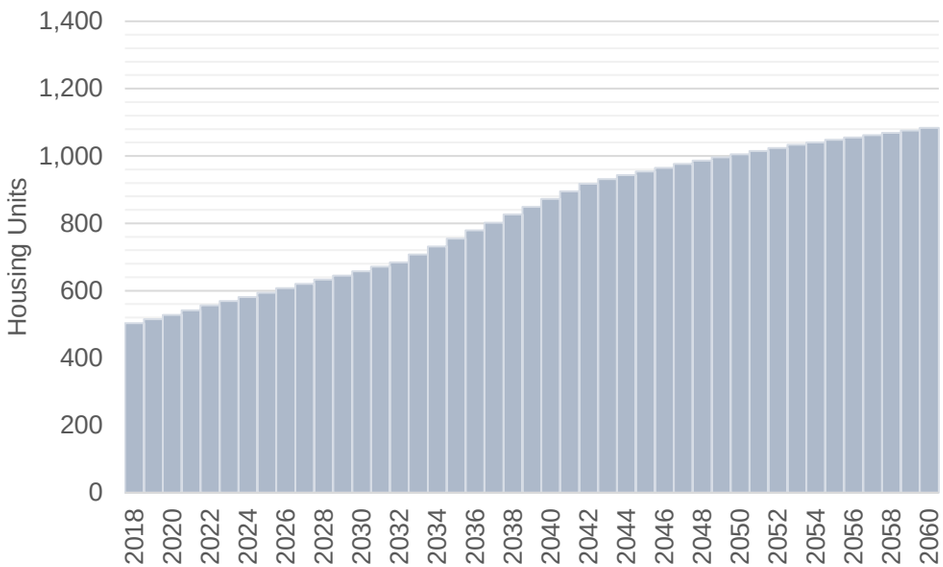
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	245	2,045	500	35	0	0	0	0	0	0	206	313
2019	251	2,037	500	35	0	0	0	0	0	0	205	315
2020	257	2,024	500	35	0	0	0	0	0	0	203	317
2021	264	2,021	500	35	0	0	0	0	0	0	202	320
2022	270	2,013	500	35	0	0	0	0	0	0	200	323
2023	274	2,005	500	35	0	0	0	0	0	0	198	326
2024	278	1,991	500	35	0	0	0	0	0	0	197	328
2025	282	1,989	500	35	0	0	0	0	0	0	195	329
2026	285	1,981	500	35	0	0	0	0	0	0	193	331
2027	289	1,973	500	35	0	0	0	0	0	0	192	332
2028	292	1,960	500	35	0	0	0	0	0	0	190	334
2029	295	1,957	500	35	0	0	0	0	0	0	188	335
2030	299	1,949	500	35	0	0	0	0	0	0	187	336
2031	302	1,942	500	35	0	0	0	0	0	0	185	338
2032	305	1,929	500	35	0	0	0	0	0	0	184	339
2033	315	1,926	500	35	0	0	0	0	0	0	184	340
2034	324	1,918	500	35	0	0	0	0	0	0	135	393
2035	334	1,911	500	36	0	0	0	0	0	0	24	507
2036	343	1,898	500	36	0	0	0	0	0	0	22	511
2037	353	1,895	500	36	0	0	0	0	0	0	21	515
2038	362	1,888	500	36	0	0	0	0	0	0	20	520
2039	372	1,880	500	36	0	0	0	0	0	0	19	524
2040	381	1,868	500	37	0	0	0	0	0	0	18	528
2041	390	1,865	500	37	0	0	0	0	0	0	16	532
2042	400	1,858	500	37	0	0	0	0	0	0	15	536
2043	409	1,850	500	37	0	0	0	0	0	0	14	540
2044	418	1,841	500	37	0	0	0	0	0	0	13	545
2045	427	1,841	500	38	0	0	0	0	0	0	13	548
2046	436	1,841	500	38	0	0	0	0	0	0	14	552
2047	445	1,841	500	38	0	0	0	0	0	0	15	557
2048	454	1,841	500	38	0	0	0	0	0	0	16	561
2049	464	1,841	500	39	0	0	0	0	0	0	16	564
2050	473	1,841	500	39	0	0	0	0	0	0	17	569
2051	483	1,841	500	39	0	0	0	0	0	0	18	573
2052	492	1,841	500	40	0	0	0	0	0	0	19	577
2053	502	1,841	500	40	0	0	0	0	0	0	19	581
2054	512	1,841	500	40	0	0	0	0	0	0	20	586
2055	522	1,841	500	41	0	0	0	0	0	0	21	590
2056	532	1,841	500	41	0	0	0	0	0	0	22	595
2057	542	1,841	500	42	0	0	0	0	0	0	23	599
2058	551	1,841	500	42	0	0	0	0	0	0	23	604
2059	561	1,841	500	42	0	0	0	0	0	0	24	608
2060	570	1,841	500	43	0	0	0	0	0	0	25	612

Central Arizona Project Service Area Model

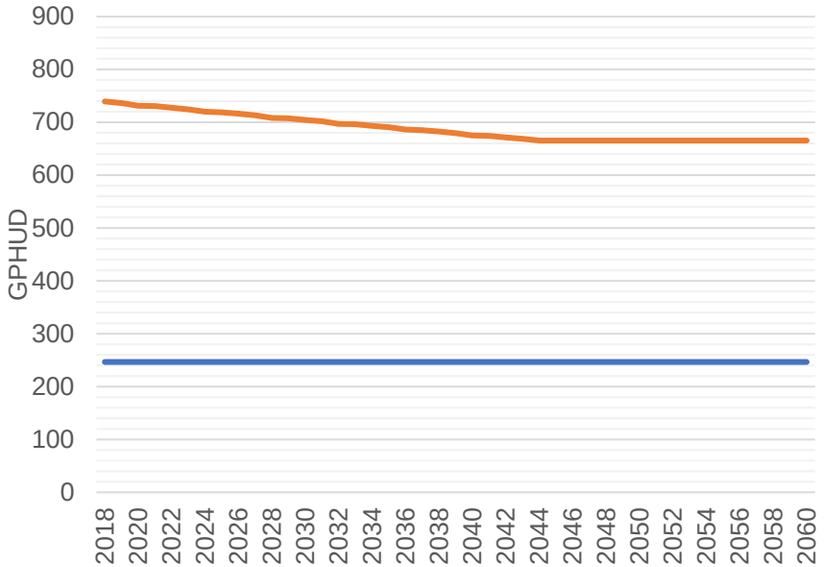
Saguaro

E. Official, Very Dry [LSCRBS]

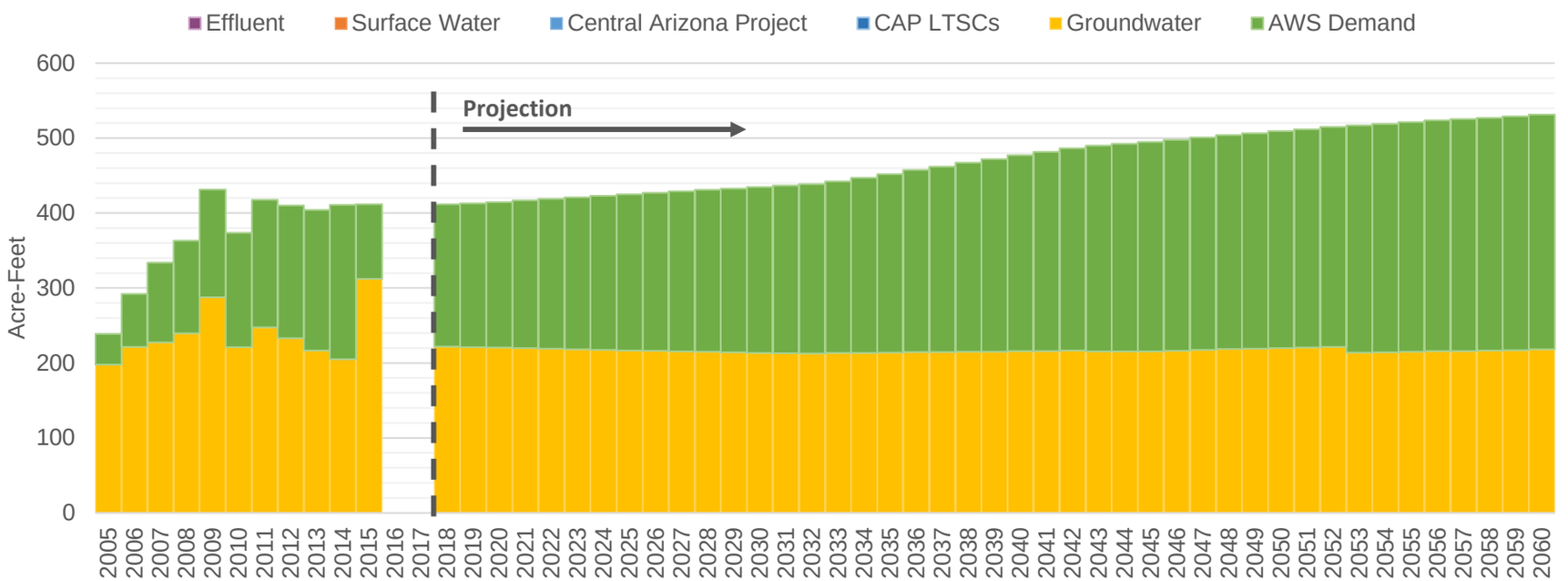
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

Saguaro

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

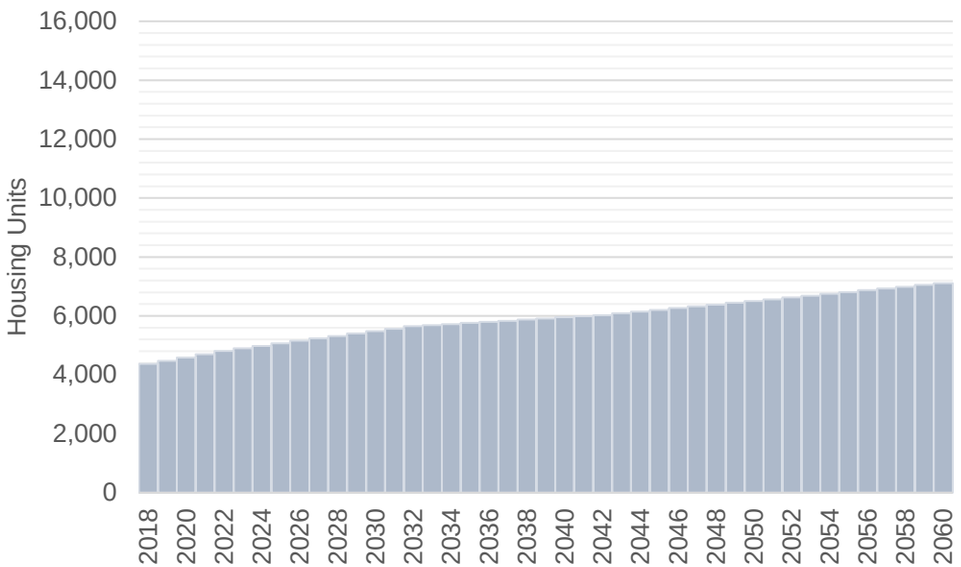
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	503	739	247	0	0	0	0	0	0	0	222	190
2019	515	736	247	0	0	0	0	0	0	0	221	192
2020	528	731	247	0	0	0	0	0	0	0	221	194
2021	542	731	247	0	0	0	0	0	0	0	220	197
2022	556	728	247	0	0	0	0	0	0	0	219	200
2023	569	725	247	0	0	0	0	0	0	0	218	203
2024	581	720	247	0	0	0	0	0	0	0	217	206
2025	594	719	247	0	0	0	0	0	0	0	217	208
2026	607	716	247	0	0	0	0	0	0	0	216	211
2027	620	713	247	0	0	0	0	0	0	0	215	213
2028	633	708	247	0	0	0	0	0	0	0	215	216
2029	645	708	247	0	0	0	0	0	0	0	214	219
2030	658	705	247	0	0	0	0	0	0	0	214	221
2031	671	702	247	0	0	0	0	0	0	0	213	224
2032	684	697	247	0	0	0	0	0	0	0	213	226
2033	708	696	247	0	0	0	0	0	0	0	213	229
2034	731	693	247	0	0	0	0	0	0	0	214	233
2035	755	691	247	0	0	0	0	0	0	0	214	238
2036	779	686	247	0	0	0	0	0	0	0	215	243
2037	802	685	247	0	0	0	0	0	0	0	215	248
2038	826	682	247	0	0	0	0	0	0	0	215	252
2039	849	680	247	0	0	0	0	0	0	0	215	257
2040	872	675	247	0	0	0	0	0	0	0	216	261
2041	895	674	247	0	0	0	0	0	0	0	216	266
2042	918	672	247	0	0	0	0	0	0	0	216	270
2043	931	669	247	0	0	0	0	0	0	0	216	275
2044	943	665	247	0	0	0	0	0	0	0	215	277
2045	954	665	247	0	0	0	0	0	0	0	215	279
2046	965	665	247	0	0	0	0	0	0	0	216	281
2047	976	665	247	0	0	0	0	0	0	0	217	284
2048	986	665	247	0	0	0	0	0	0	0	219	286
2049	996	665	247	0	0	0	0	0	0	0	219	288
2050	1,005	665	247	0	0	0	0	0	0	0	220	289
2051	1,015	665	247	0	0	0	0	0	0	0	221	291
2052	1,024	665	247	0	0	0	0	0	0	0	222	293
2053	1,033	665	247	0	0	0	0	0	0	0	214	303
2054	1,040	665	247	0	0	0	0	0	0	0	214	305
2055	1,048	665	247	0	0	0	0	0	0	0	215	306
2056	1,055	665	247	0	0	0	0	0	0	0	216	308
2057	1,062	665	247	0	0	0	0	0	0	0	216	309
2058	1,069	665	247	0	0	0	0	0	0	0	217	311
2059	1,076	665	247	0	0	0	0	0	0	0	217	312
2060	1,083	665	247	0	0	0	0	0	0	0	218	313

Central Arizona Project Service Area Model

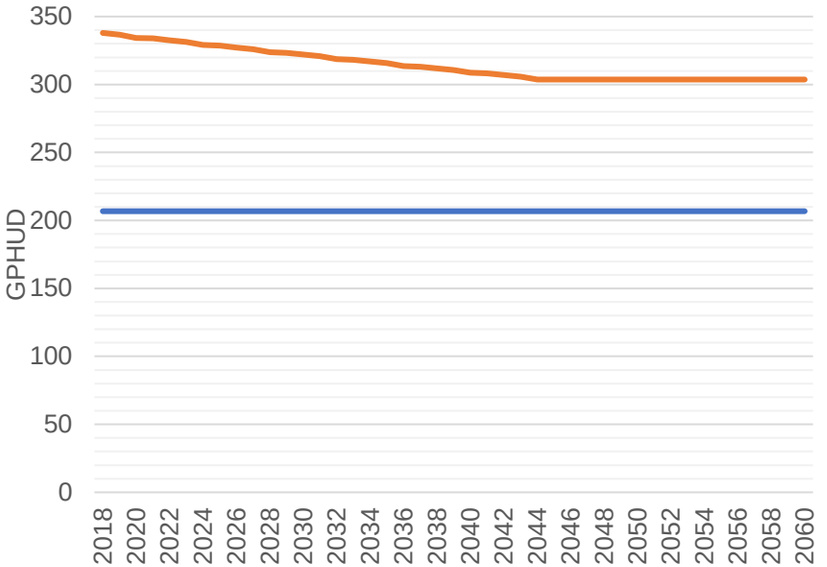
Sahuarita

E. Official, Very Dry [LSCRBS]

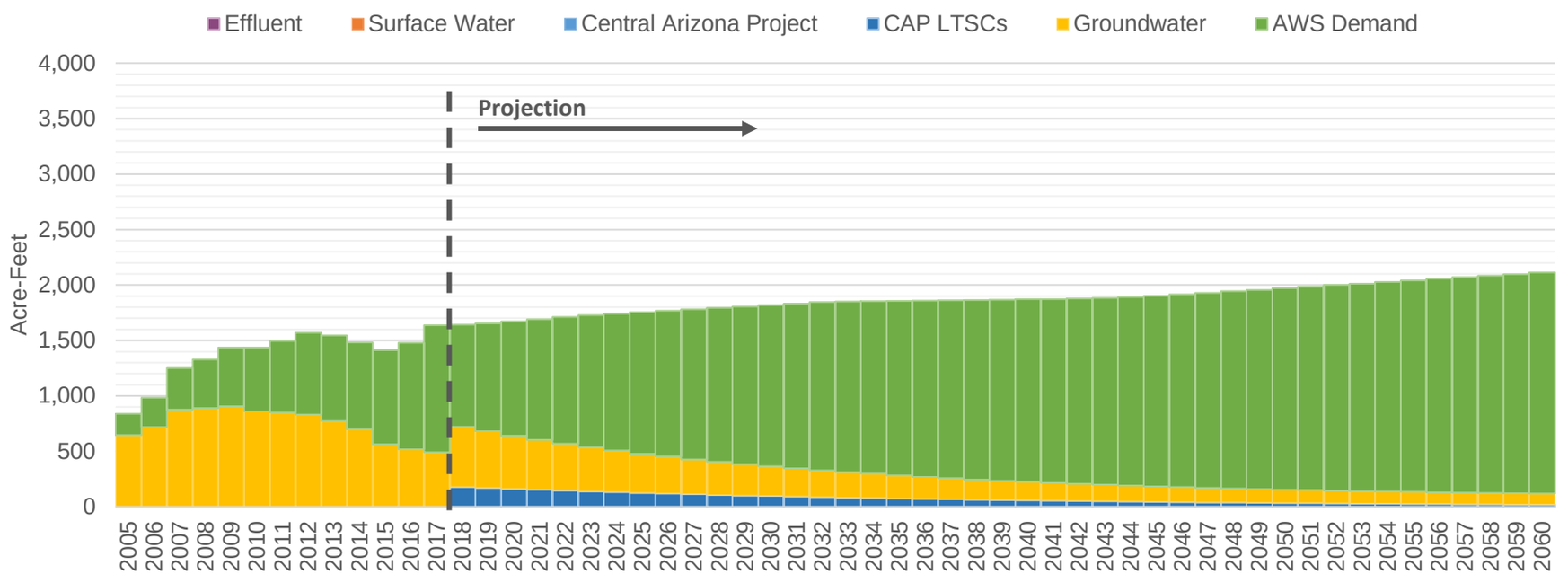
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

Sahuarita

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

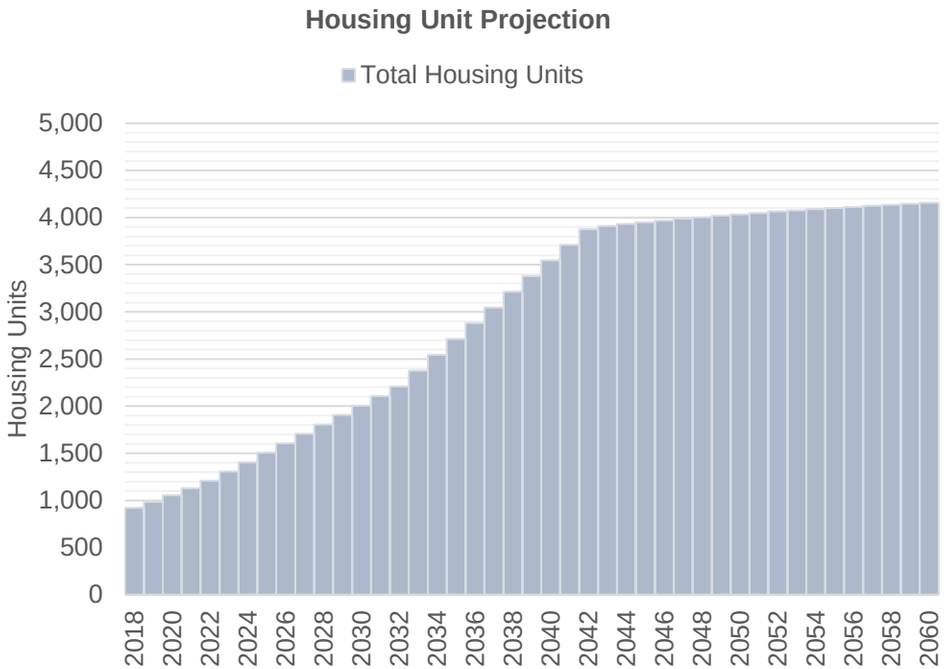
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

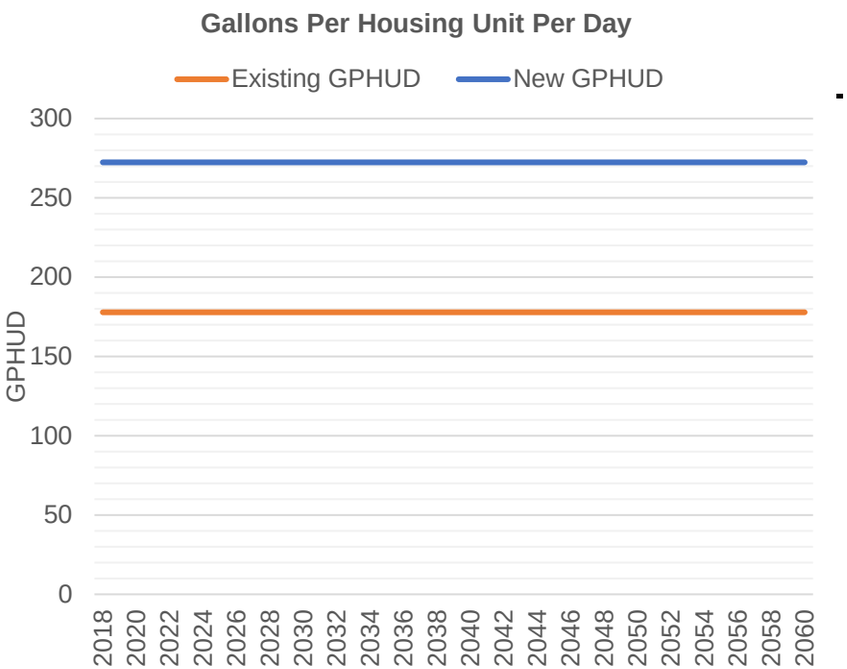
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,376	338	207	0	0	0	0	0	0	179	544	919
2019	4,478	337	207	0	0	0	0	0	0	171	510	973
2020	4,589	334	207	0	0	0	0	0	0	162	479	1,031
2021	4,705	334	207	0	0	0	0	0	0	154	450	1,088
2022	4,814	333	207	0	0	0	0	0	0	146	423	1,142
2023	4,898	331	207	0	0	0	0	0	0	139	398	1,190
2024	4,983	329	207	0	0	0	0	0	0	132	375	1,234
2025	5,069	329	207	0	0	0	0	0	0	125	354	1,275
2026	5,154	327	207	0	0	0	0	0	0	119	334	1,314
2027	5,239	326	207	0	0	0	0	0	0	113	316	1,352
2028	5,321	324	207	0	0	0	0	0	0	107	298	1,388
2029	5,403	323	207	0	0	0	0	0	0	102	283	1,422
2030	5,485	322	207	0	0	0	0	0	0	97	268	1,454
2031	5,567	321	207	0	0	0	0	0	0	92	254	1,486
2032	5.648	319	207	0	0	0	0	0	0	88	241	1.516
2033	5,685	318	207	0	0	0	0	0	0	83	230	1,539
2034	5,723	317	207	0	0	0	0	0	0	79	219	1,557
2035	5,760	316	207	0	0	0	0	0	0	75	209	1,574
2036	5,797	314	207	0	0	0	0	0	0	71	199	1,590
2037	5,834	313	207	0	0	0	0	0	0	68	190	1,604
2038	5,873	312	207	0	0	0	0	0	0	64	182	1,618
2039	5,912	311	207	0	0	0	0	0	0	61	175	1,632
2040	5,951	309	207	0	0	0	0	0	0	58	168	1,646
2041	5,990	308	207	0	0	0	0	0	0	55	161	1,657
2042	6,028	307	207	0	0	0	0	0	0	52	155	1,669
2043	6,089	306	207	0	0	0	0	0	0	50	150	1,683
2044	6,148	304	207	0	0	0	0	0	0	47	144	1,700
2045	6,206	304	207	0	0	0	0	0	0	45	140	1,718
2046	6,265	304	207	0	0	0	0	0	0	43	135	1,738
2047	6,322	304	207	0	0	0	0	0	0	41	131	1,758
2048	6,382	304	207	0	0	0	0	0	0	39	127	1,778
2049	6,444	304	207	0	0	0	0	0	0	37	124	1,797
2050	6,505	304	207	0	0	0	0	0	0	35	120	1,816
2051	6,565	304	207	0	0	0	0	0	0	33	117	1,835
2052	6,625	304	207	0	0	0	0	0	0	31	115	1,854
2053	6,686	304	207	0	0	0	0	0	0	30	112	1,871
2054	6,749	304	207	0	0	0	0	0	0	28	110	1,889
2055	6,812	304	207	0	0	0	0	0	0	27	108	1,907
2056	6,873	304	207	0	0	0	0	0	0	26	106	1,926
2057	6,934	304	207	0	0	0	0	0	0	24	104	1,942
2058	6,993	304	207	0	0	0	0	0	0	23	103	1,958
2059	7,052	304	207	0	0	0	0	0	0	22	101	1,975
2060	7,110	304	207	0	0	0	0	0	0	21	100	1,992

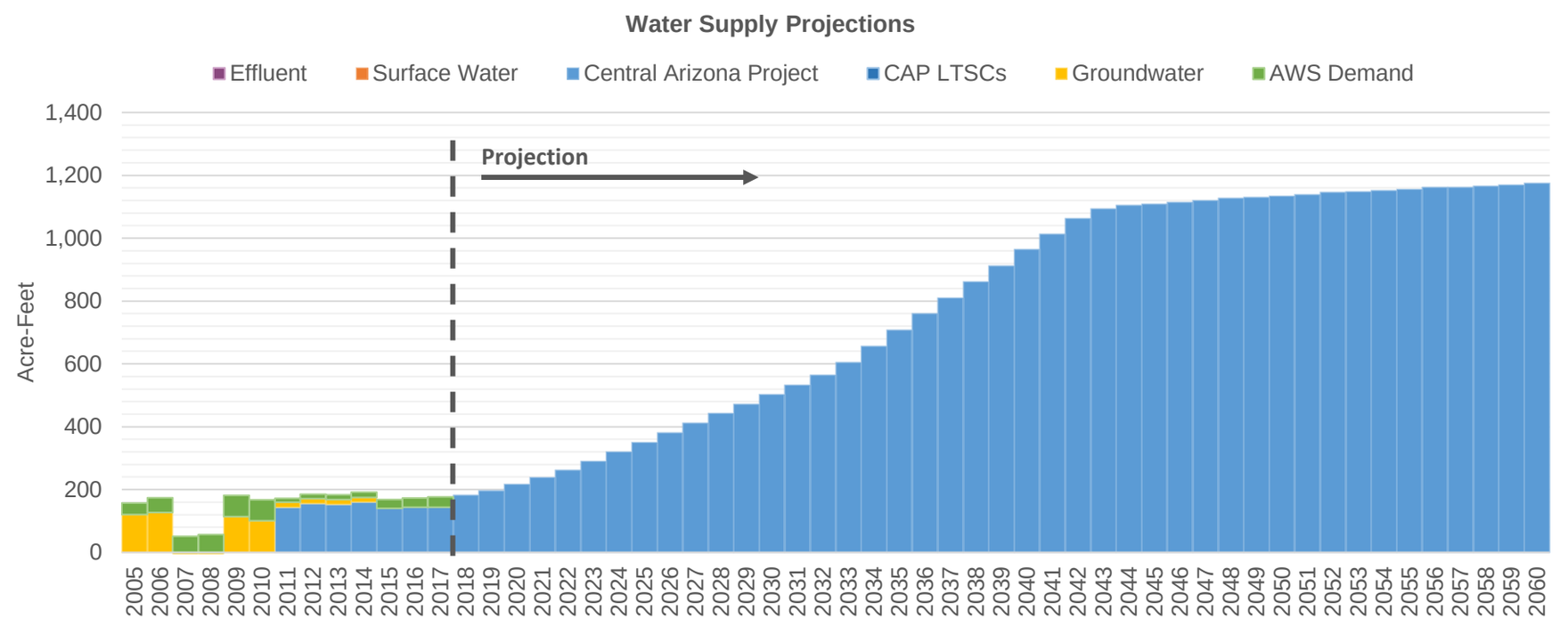
Central Arizona Project Service Area Model

SpanishTrailWC

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

SpanishTrailWC

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

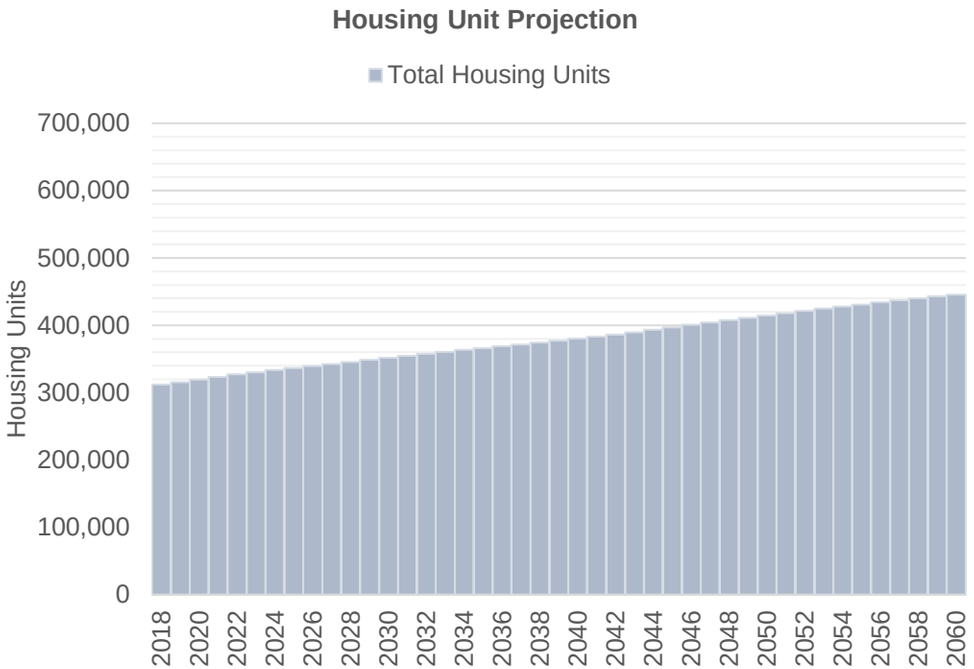
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

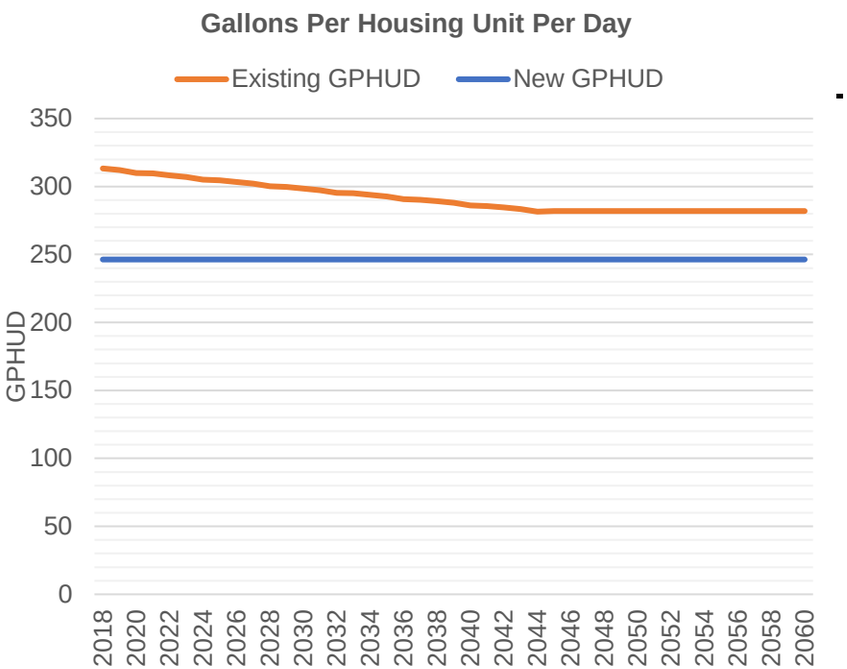
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	921	178	272	0	0	0	0	182	2,855	0	0	0
2019	984	178	272	0	0	0	0	197	2,840	0	0	0
2020	1,054	178	272	0	0	0	0	217	2,820	0	0	0
2021	1,127	178	272	0	0	0	0	239	2,798	0	0	0
2022	1,209	178	272	0	0	0	0	262	2,775	0	0	0
2023	1,307	178	272	0	0	0	0	290	2,747	0	0	0
2024	1,407	178	272	0	0	0	0	320	2,717	0	0	0
2025	1,507	178	272	0	0	0	0	350	2,687	0	0	0
2026	1,607	178	272	0	0	0	0	381	2,656	0	0	0
2027	1,707	178	272	0	0	0	0	411	2,626	0	0	0
2028	1,806	178	272	0	0	0	0	443	2,594	0	0	0
2029	1,906	178	272	0	0	0	0	472	2,565	0	0	0
2030	2,005	178	272	0	0	0	0	503	2,534	0	0	0
2031	2,105	178	272	0	0	0	0	533	2,504	0	0	0
2032	2,207	178	272	0	0	0	0	565	2,472	0	0	0
2033	2,376	178	272	0	0	0	0	605	2,432	0	0	0
2034	2,544	178	272	0	0	0	0	657	2,380	0	0	0
2035	2,712	178	272	0	0	0	0	708	2,329	0	0	0
2036	2,880	178	272	0	0	0	0	761	2,276	0	0	0
2037	3,047	178	272	0	0	0	0	810	2,227	0	0	0
2038	3,214	178	272	0	0	0	0	861	1,969	0	0	0
2039	3,380	178	272	0	0	0	0	912	1,438	0	0	0
2040	3,546	178	272	0	0	0	0	965	1,813	0	0	0
2041	3,711	178	272	0	0	0	0	1,013	1,977	0	0	0
2042	3,875	178	272	0	0	0	0	1,063	1,899	0	0	0
2043	3,913	178	272	0	0	0	0	1,094	1,943	0	0	0
2044	3,932	178	272	0	0	0	0	1,105	1,932	0	0	0
2045	3,951	178	272	0	0	0	0	1,109	1,928	0	0	0
2046	3,969	178	272	0	0	0	0	1,114	1,825	0	0	0
2047	3,987	178	272	0	0	0	0	1,120	1,917	0	0	0
2048	4,004	178	272	0	0	0	0	1,128	1,811	0	0	0
2049	4,019	178	272	0	0	0	0	1,130	1,809	0	0	0
2050	4,034	178	272	0	0	0	0	1,134	1,804	0	0	0
2051	4,049	178	272	0	0	0	0	1,139	1,800	0	0	0
2052	4,064	178	272	0	0	0	0	1,146	1,582	0	0	0
2053	4,077	178	272	0	0	0	0	1,148	1,580	0	0	0
2054	4,089	178	272	0	0	0	0	1,152	1,234	0	0	0
2055	4,101	178	272	0	0	0	0	1,155	967	0	0	0
2056	4,113	178	272	0	0	0	0	1,162	566	0	0	0
2057	4,124	178	272	0	0	0	0	1,163	1,223	0	0	0
2058	4,135	178	272	0	0	0	0	1,166	1,352	0	0	0
2059	4,147	178	272	0	0	0	0	1,169	1,295	0	0	0
2060	4,157	178	272	0	0	0	0	1,176	1,289	0	0	0

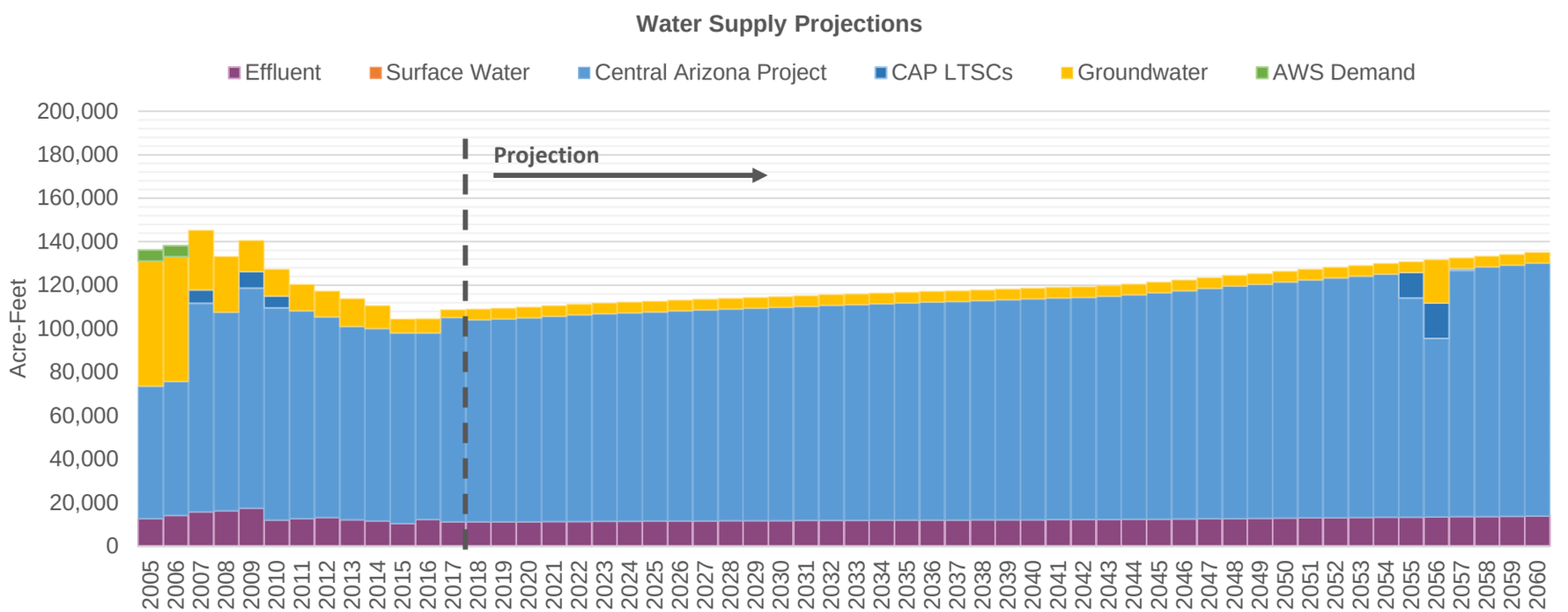
Central Arizona Project Service Area Model

Tucson

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

Tucson

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions

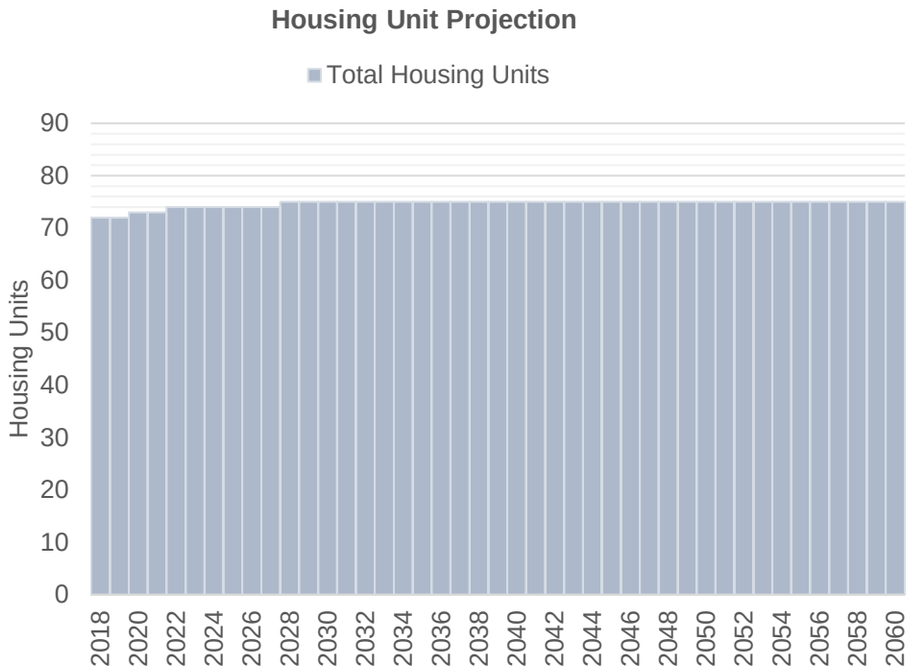
Water Supply Projections (Acre-Feet)

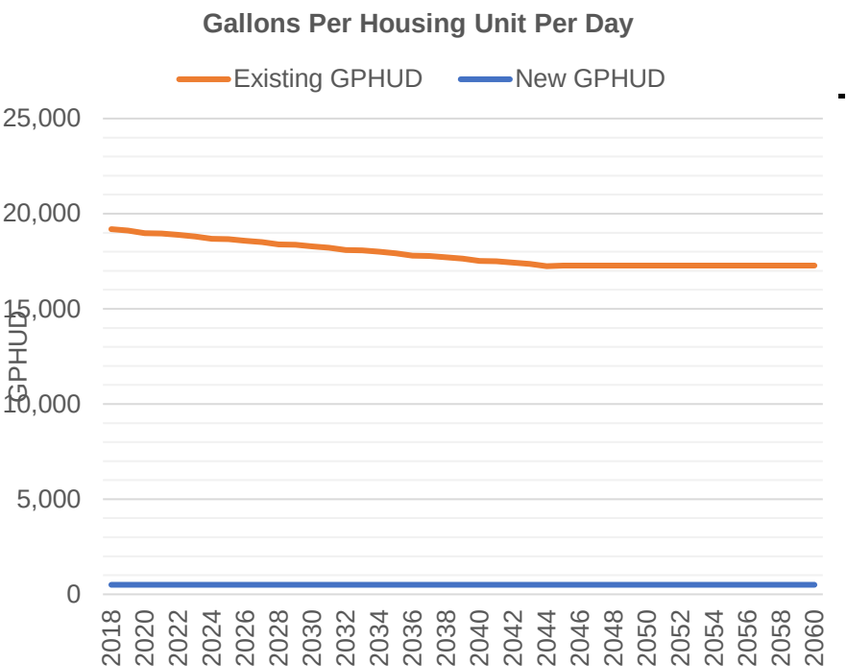
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	311,886	313	246	11,236	0	0	0	92,867	51,305	0	4,951	0
2019	315,484	312	246	11,236	0	0	0	93,188	50,984	0	4,951	0
2020	319,407	310	246	11,269	0	0	0	93,765	50,407	0	4,951	0
2021	323,534	310	246	11,332	0	0	0	94,375	49,797	0	4,951	0
2022	327,386	308	246	11,401	0	0	0	94,977	49,195	0	4,951	0
2023	330,416	307	246	11,470	0	0	0	95,429	48,743	0	4,951	0
2024	333,467	305	246	11,524	0	0	0	95,804	48,368	0	4,951	0
2025	336,525	305	246	11,568	0	0	0	96,161	48,011	0	4,951	0
2026	339,590	303	246	11,610	0	0	0	96,541	47,631	0	4,951	0
2027	342,656	302	246	11,653	0	0	0	96,922	47,250	0	4,951	0
2028	345,692	300	246	11,697	0	0	0	97,326	46,846	0	4,951	0
2029	348,735	300	246	11,743	0	0	0	97,675	46,497	0	4,951	0
2030	351,781	299	246	11,784	0	0	0	98,058	46,114	0	4,951	0
2031	354,829	297	246	11,827	0	0	0	98,440	45,732	0	4,951	0
2032	357,867	295	246	11,871	0	0	0	98,858	45,314	0	4,951	0
2033	360,641	295	246	11,919	0	0	0	99,166	45,007	0	4,951	0
2034	363,412	294	246	11,955	0	0	0	99,484	44,688	0	4,951	0
2035	366,179	293	246	11,992	0	0	0	99,803	44,369	0	4,951	0
2036	368,939	291	246	12,029	0	0	0	100,166	44,006	0	4,951	0
2037	371,692	290	246	12,070	0	0	0	100,437	43,735	0	4,951	0
2038	374,572	289	246	12,102	0	0	0	100,779	33,555	0	4,951	0
2039	377,442	288	246	12,140	0	0	0	101,132	10,438	0	4,951	0
2040	380,298	286	246	12,181	0	0	0	101,534	30,348	0	4,951	0
2041	383,141	286	246	12,226	0	0	0	101,824	40,096	0	4,951	0
2042	385,967	285	246	12,261	0	0	0	102,174	38,465	0	4,951	0
2043	389,602	283	246	12,301	0	0	0	102,631	41,541	0	4,951	0
2044	393,326	282	246	12,352	0	0	0	103,263	40,909	0	4,951	0
2045	397,022	282	246	12,422	0	0	0	104,042	40,130	0	4,951	0
2046	400,689	282	246	12,510	0	0	0	104,970	34,544	0	4,951	0
2047	404,325	282	246	12,614	0	0	0	105,873	38,299	0	4,951	0
2048	407,872	282	246	12,718	0	0	0	106,832	32,681	0	4,951	0
2049	411,341	282	246	12,828	0	0	0	107,618	31,895	0	4,951	0
2050	414,774	282	246	12,920	0	0	0	108,478	31,036	0	4,951	0
2051	418,170	282	246	13,018	0	0	0	109,322	30,192	0	4,951	0
2052	421,527	282	246	13,115	0	0	0	110,240	19,272	0	4,951	0
2053	424,770	282	246	13,220	0	0	0	110,963	18,549	0	4,951	0
2054	427,898	282	246	13,305	0	0	0	111,756	1,502	0	4,951	0
2055	430,986	282	246	13,395	0	0	0	100,756	0	11,768	4,951	0
2056	434,031	282	246	13,484	0	0	0	82,002	0	16,392	19,930	0
2057	437,032	282	246	13,580	0	0	0	113,258	0	760	4,951	0
2058	439,989	282	246	13,657	0	0	0	114,764	4,746	0	4,951	0
2059	442,901	282	246	13,742	0	0	0	115,489	1,520	0	4,951	0
2060	445,766	282	246	13,825	0	0	0	116,304	705	0	4,951	0

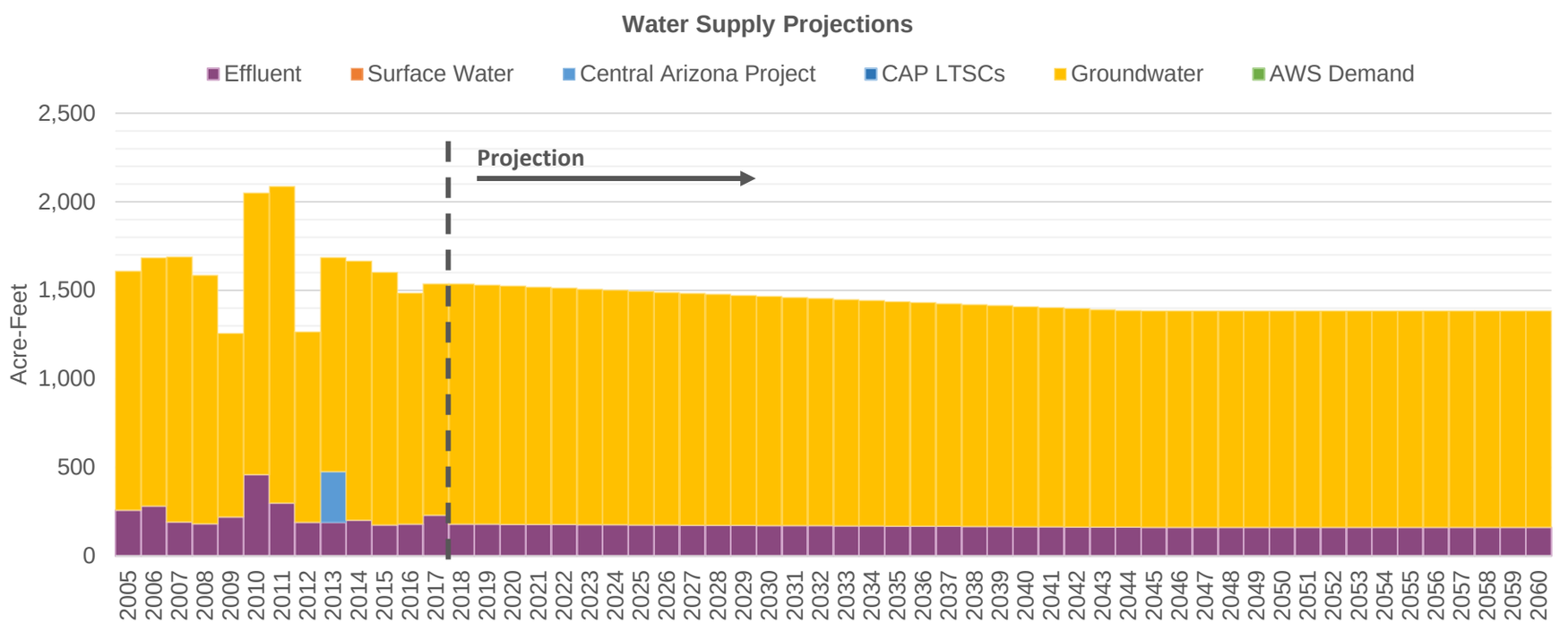
UniversityofAZ

Central Arizona Project Service Area Model

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

UniversityofAZ

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions

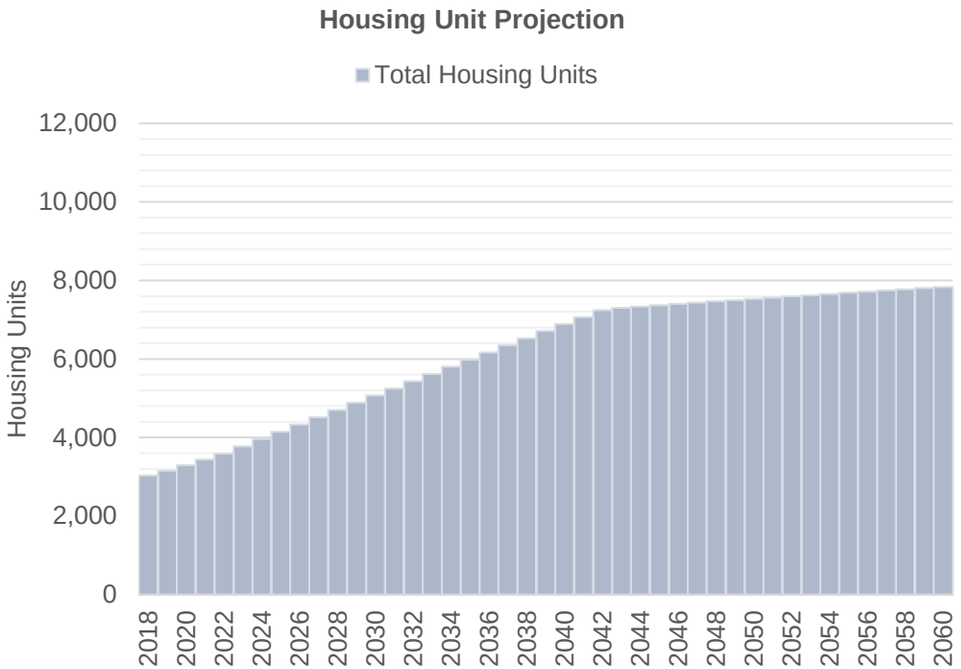
Water Supply Projections (Acre-Feet)

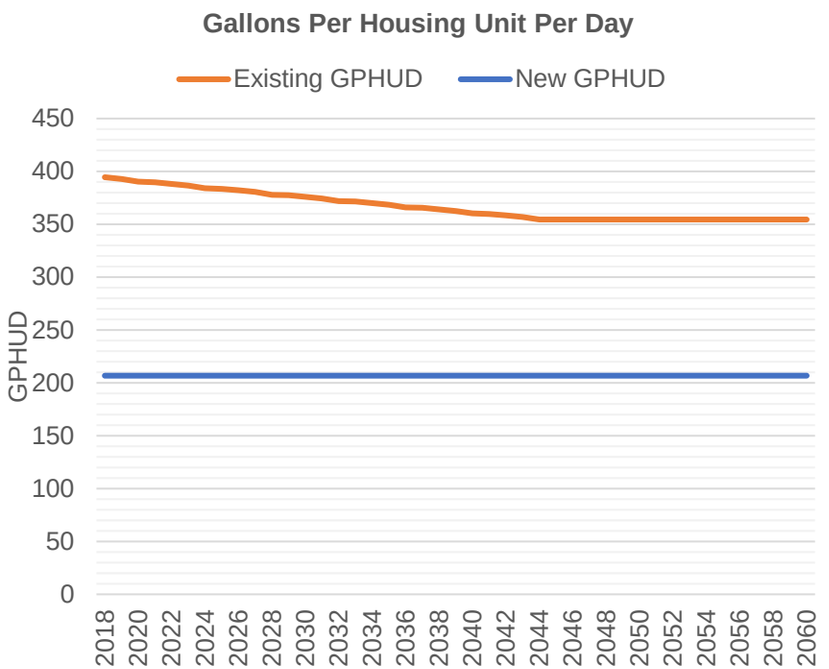
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	72	19,189	500	180	0	0	0	0	0	0	1,356	0
2019	72	19,112	500	180	0	0	0	0	0	0	1,350	0
2020	73	18,983	500	179	0	0	0	0	0	0	1,345	0
2021	73	18,959	500	179	0	0	0	0	0	0	1,340	0
2022	74	18,883	500	178	0	0	0	0	0	0	1,335	0
2023	74	18,808	500	177	0	0	0	0	0	0	1,330	0
2024	74	18,681	500	177	0	0	0	0	0	0	1,324	0
2025	74	18,658	500	176	0	0	0	0	0	0	1,319	0
2026	74	18,583	500	175	0	0	0	0	0	0	1,314	0
2027	74	18,509	500	174	0	0	0	0	0	0	1,309	0
2028	75	18,384	500	174	0	0	0	0	0	0	1,304	0
2029	75	18,361	500	173	0	0	0	0	0	0	1,299	0
2030	75	18,288	500	172	0	0	0	0	0	0	1,294	0
2031	75	18,214	500	172	0	0	0	0	0	0	1,288	0
2032	75	18,092	500	171	0	0	0	0	0	0	1,283	0
2033	75	18,069	500	170	0	0	0	0	0	0	1,278	0
2034	75	17,997	500	170	0	0	0	0	0	0	1,273	0
2035	75	17,925	500	169	0	0	0	0	0	0	1,268	0
2036	75	17,804	500	168	0	0	0	0	0	0	1,263	0
2037	75	17,782	500	168	0	0	0	0	0	0	1,258	0
2038	75	17,710	500	167	0	0	0	0	0	0	1,253	0
2039	75	17,640	500	166	0	0	0	0	0	0	1,248	0
2040	75	17,521	500	166	0	0	0	0	0	0	1,243	0
2041	75	17,499	500	165	0	0	0	0	0	0	1,238	0
2042	75	17,429	500	164	0	0	0	0	0	0	1,233	0
2043	75	17,359	500	164	0	0	0	0	0	0	1,228	0
2044	75	17,242	500	163	0	0	0	0	0	0	1,223	0
2045	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2046	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2047	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2048	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2049	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2050	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2051	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2052	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2053	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2054	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2055	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2056	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2057	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2058	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2059	75	17,270	500	162	0	0	0	0	0	0	1,222	0
2060	75	17,270	500	162	0	0	0	0	0	0	1,222	0

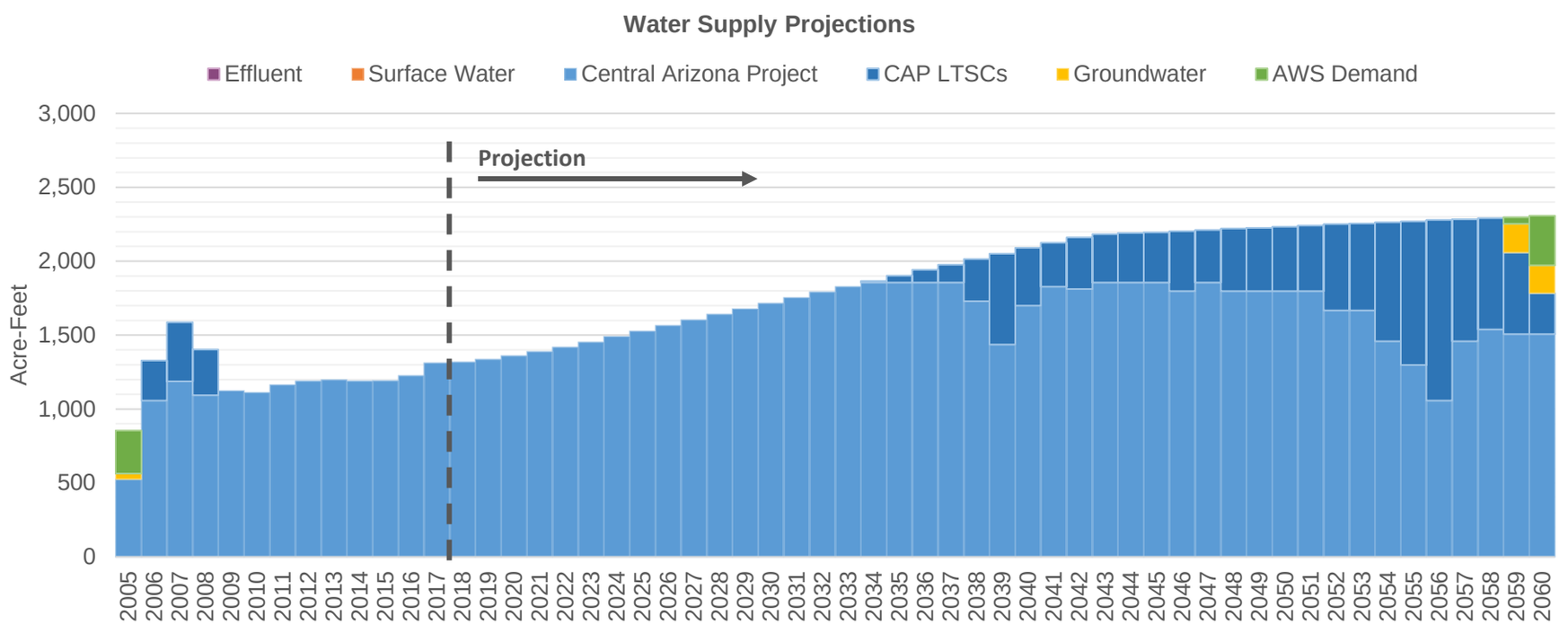
Central Arizona Project Service Area Model

VailWC

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

VailWC

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions

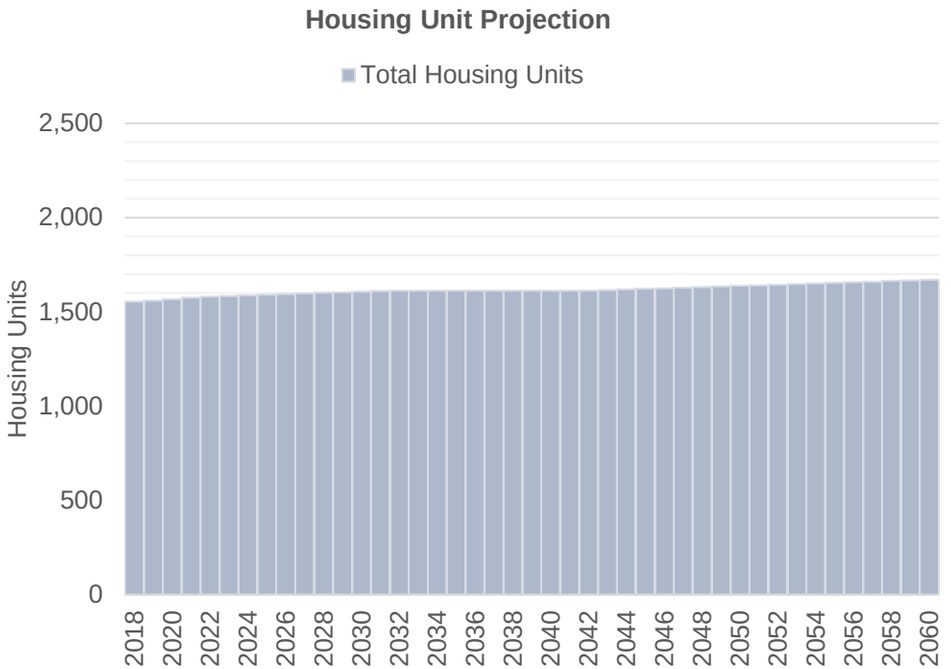
Water Supply Projections (Acre-Feet)

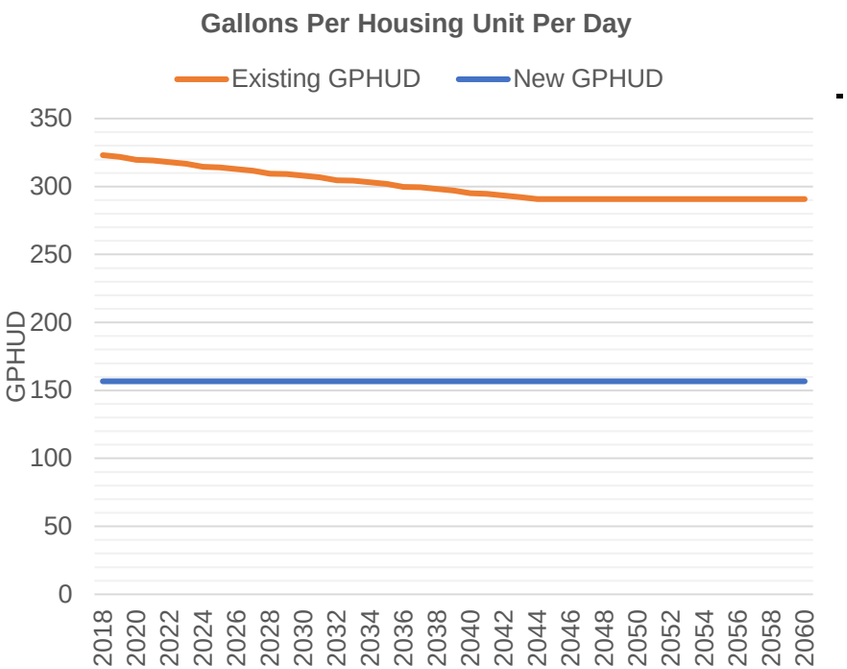
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,033	395	207	0	0	0	0	1,319	538	0	0	0
2019	3,157	393	207	0	0	0	0	1,336	521	0	0	0
2020	3,294	390	207	0	0	0	0	1,361	496	0	0	0
2021	3,438	390	207	0	0	0	0	1,388	469	0	0	0
2022	3,595	388	207	0	0	0	0	1,418	439	0	0	0
2023	3,778	387	207	0	0	0	0	1,452	405	0	0	0
2024	3,963	384	207	0	0	0	0	1,490	367	0	0	0
2025	4,147	384	207	0	0	0	0	1,527	330	0	0	0
2026	4,333	382	207	0	0	0	0	1,565	292	0	0	0
2027	4,518	381	207	0	0	0	0	1,603	254	0	0	0
2028	4,701	378	207	0	0	0	0	1,641	216	0	0	0
2029	4,885	378	207	0	0	0	0	1,678	179	0	0	0
2030	5,069	376	207	0	0	0	0	1,715	142	0	0	0
2031	5,253	374	207	0	0	0	0	1,753	104	0	0	0
2032	5.437	372	207	0	0	0	0	1.792	65	0	0	0
2033	5,620	371	207	0	0	0	0	1,828	29	0	0	0
2034	5,803	370	207	0	0	0	0	1,857	0	9	0	0
2035	5,985	369	207	0	0	0	0	1,857	0	46	0	0
2036	6,167	366	207	0	0	0	0	1,857	0	85	0	0
2037	6,348	366	207	0	0	0	0	1,857	0	120	0	0
2038	6,529	364	207	0	0	0	0	1,730	0	284	0	0
2039	6,709	363	207	0	0	0	0	1,437	0	614	0	0
2040	6,888	360	207	0	0	0	0	1,699	0	392	0	0
2041	7,067	360	207	0	0	0	0	1,828	0	297	0	0
2042	7,244	358	207	0	0	0	0	1,811	0	350	0	0
2043	7,299	357	207	0	0	0	0	1,857	0	326	0	0
2044	7,333	355	207	0	0	0	0	1,857	0	335	0	0
2045	7,367	355	207	0	0	0	0	1,857	0	339	0	0
2046	7,400	355	207	0	0	0	0	1,797	0	406	0	0
2047	7,433	355	207	0	0	0	0	1,857	0	354	0	0
2048	7,466	355	207	0	0	0	0	1,797	0	424	0	0
2049	7,498	355	207	0	0	0	0	1,797	0	429	0	0
2050	7,530	355	207	0	0	0	0	1,797	0	437	0	0
2051	7,561	355	207	0	0	0	0	1,797	0	444	0	0
2052	7,593	355	207	0	0	0	0	1,668	0	583	0	0
2053	7,624	355	207	0	0	0	0	1,668	0	587	0	0
2054	7,655	355	207	0	0	0	0	1,459	0	804	0	0
2055	7,686	355	207	0	0	0	0	1,298	0	972	0	0
2056	7,716	355	207	0	0	0	0	1,056	0	1,224	0	0
2057	7,746	355	207	0	0	0	0	1,459	0	825	0	0
2058	7,776	355	207	0	0	0	0	1,539	0	751	0	0
2059	7,805	355	207	0	0	0	0	1,507	0	552	193	45
2060	7,834	355	207	0	0	0	0	1,507	0	276	188	336

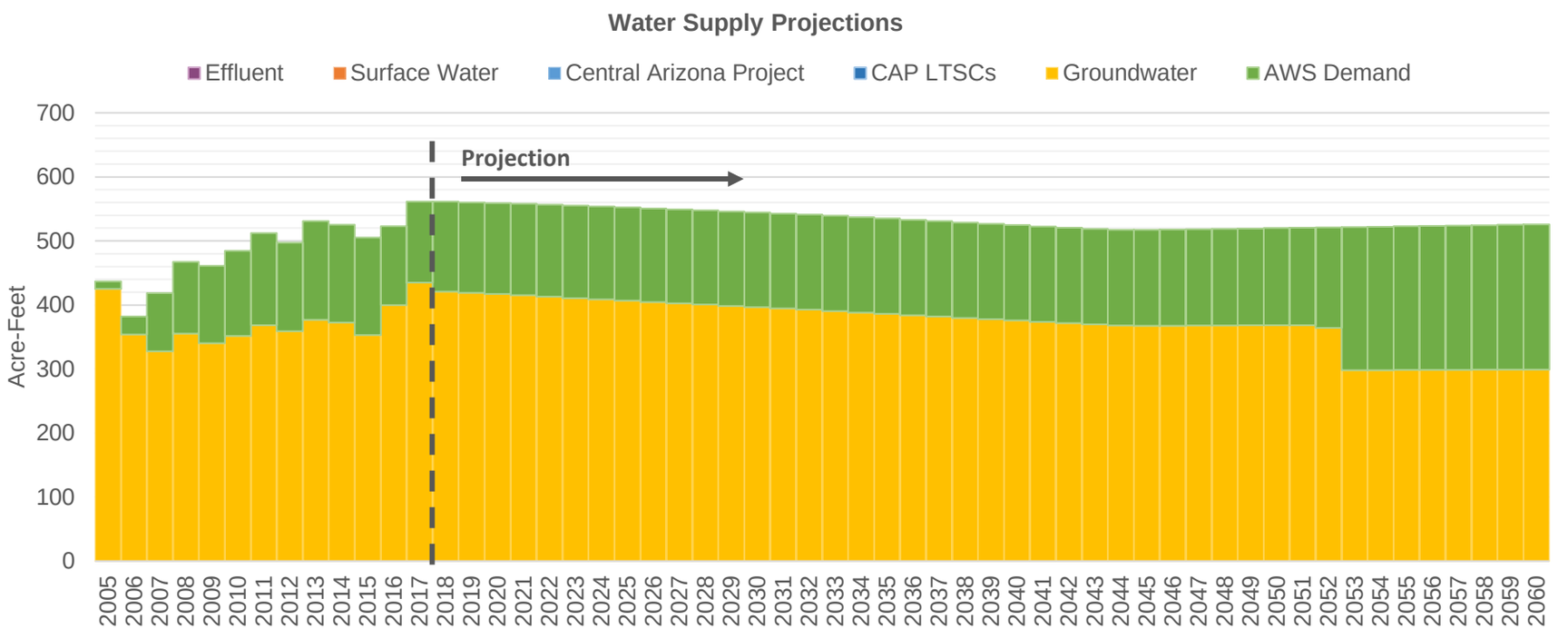
Central Arizona Project Service Area Model

VoyagerWC

E. Official, Very Dry [LSCRBS]







Central Arizona Project Service Area Model

VoyagerWC

E. Official, Very Dry [LSCRBS]

7/14/20 9:06 AM

Demand Assumptions

Water Supply Projections (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,554	323	157	0	0	0	0	0	0	0	421	141
2019	1,560	322	157	0	0	0	0	0	0	0	419	141
2020	1,567	320	157	0	0	0	0	0	0	0	417	142
2021	1,575	319	157	0	0	0	0	0	0	0	415	143
2022	1,581	318	157	0	0	0	0	0	0	0	413	144
2023	1,584	317	157	0	0	0	0	0	0	0	411	145
2024	1,588	315	157	0	0	0	0	0	0	0	409	145
2025	1,591	314	157	0	0	0	0	0	0	0	407	146
2026	1,594	313	157	0	0	0	0	0	0	0	405	146
2027	1,598	312	157	0	0	0	0	0	0	0	403	146
2028	1,601	310	157	0	0	0	0	0	0	0	401	147
2029	1,604	309	157	0	0	0	0	0	0	0	399	147
2030	1,607	308	157	0	0	0	0	0	0	0	397	148
2031	1,610	307	157	0	0	0	0	0	0	0	395	148
2032	1,613	305	157	0	0	0	0	0	0	0	393	149
2033	1,613	304	157	0	0	0	0	0	0	0	390	149
2034	1,613	303	157	0	0	0	0	0	0	0	388	149
2035	1,613	302	157	0	0	0	0	0	0	0	386	149
2036	1,613	300	157	0	0	0	0	0	0	0	384	149
2037	1,613	299	157	0	0	0	0	0	0	0	382	149
2038	1,613	298	157	0	0	0	0	0	0	0	380	149
2039	1,613	297	157	0	0	0	0	0	0	0	378	149
2040	1,613	295	157	0	0	0	0	0	0	0	376	149
2041	1,613	295	157	0	0	0	0	0	0	0	374	149
2042	1,613	293	157	0	0	0	0	0	0	0	372	149
2043	1,615	292	157	0	0	0	0	0	0	0	370	149
2044	1,619	291	157	0	0	0	0	0	0	0	368	149
2045	1,622	291	157	0	0	0	0	0	0	0	368	150
2046	1,625	291	157	0	0	0	0	0	0	0	368	150
2047	1,628	291	157	0	0	0	0	0	0	0	368	150
2048	1,631	291	157	0	0	0	0	0	0	0	368	151
2049	1,635	291	157	0	0	0	0	0	0	0	368	151
2050	1,638	291	157	0	0	0	0	0	0	0	368	152
2051	1,641	291	157	0	0	0	0	0	0	0	368	152
2052	1,644	291	157	0	0	0	0	0	0	0	364	157
2053	1,647	291	157	0	0	0	0	0	0	0	298	223
2054	1,651	291	157	0	0	0	0	0	0	0	298	224
2055	1,654	291	157	0	0	0	0	0	0	0	298	224
2056	1,657	291	157	0	0	0	0	0	0	0	299	225
2057	1,660	291	157	0	0	0	0	0	0	0	299	225
2058	1,664	291	157	0	0	0	0	0	0	0	299	226
2059	1,667	291	157	0	0	0	0	0	0	0	299	226
2060	1,670	291	157	0	0	0	0	0	0	0	299	226

CAP:SAM Supply and Demand Projections by Water Provider

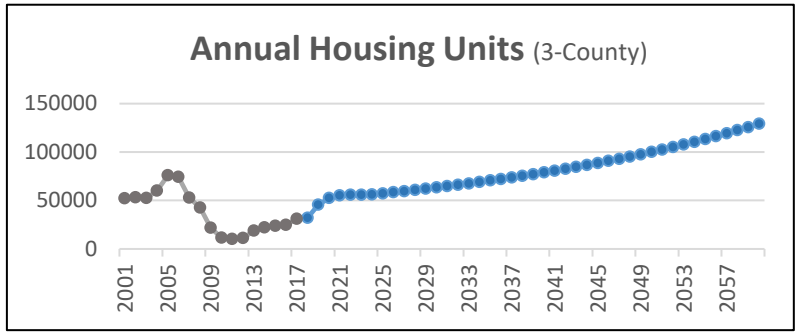
Scenario F

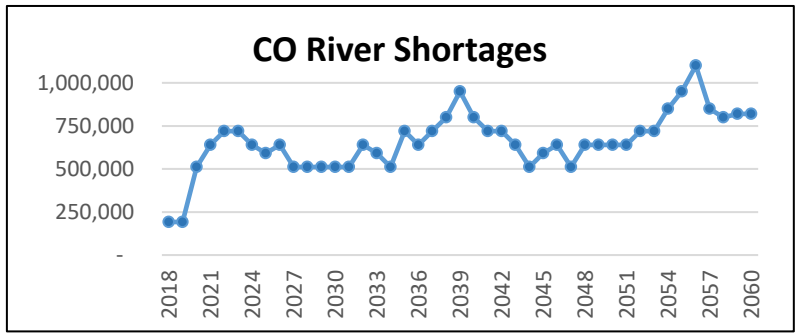
Climate: Worse Case
Growth Rate: Rapid
Growth Pattern: Outward
Relative Risk: High

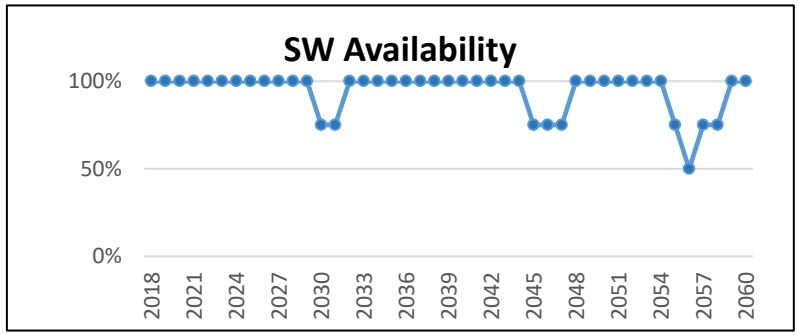
F. Rapid, Outward, Very Dry Climate [LSCRBS **Run Date:** 7/15/2020 **Filename:** CAPServiceArea_v3.50_LSCRBS_A(

Growth rate based on High growth series from the State, and outward growth pattern in CAP-SAM, mining growth w/o

Allow Shortages	Yes	
Select CRSS Array	3	*3=Synthetic*
Use Specific Trace	Yes	
Selected Trace	3	*1=Moderate; 2=Deep; 3=Slight*
AWBA Max M&I	20%	
Surface Water Scenario	3	*1=No Reduction; 2=Occational; 3=Frequent*
Use CAP Buildup	Yes	
CAP Buildup Scenario	2	*1=2035; 2=2045*
HU Growth Pattern	3	*1=Baseline*
HU Forecast	2	*1=Use Curve; 2=Eller Forecast*
HU Curve	1	
HU Growth Start Rate	2%	
HU Ordinary Level	56,000	
HU Rate @ 50 yrs	3%	
GPHUD Change Existing	-0.4%	*per year*
GPHUD Max Change Existing	-10%	
GPHUD Min Existing	200	
GPHUD Scenario New	1	
GPHUD Change New	0.0%	*per year*
Ag Climate Adjustment	0.2	
Ag Efficiency Increase	0.1%	*per year*
Ag Efficiency Goal	80%	
Ag Replace Crop CU	2.66	
Ag Intensity Scenario	2	
Ag Develop on Crops	60%	*Perecent of max on active Ag*
Ag Acres Replace Percent	0%	
Ag Replace Crop Year	2025	



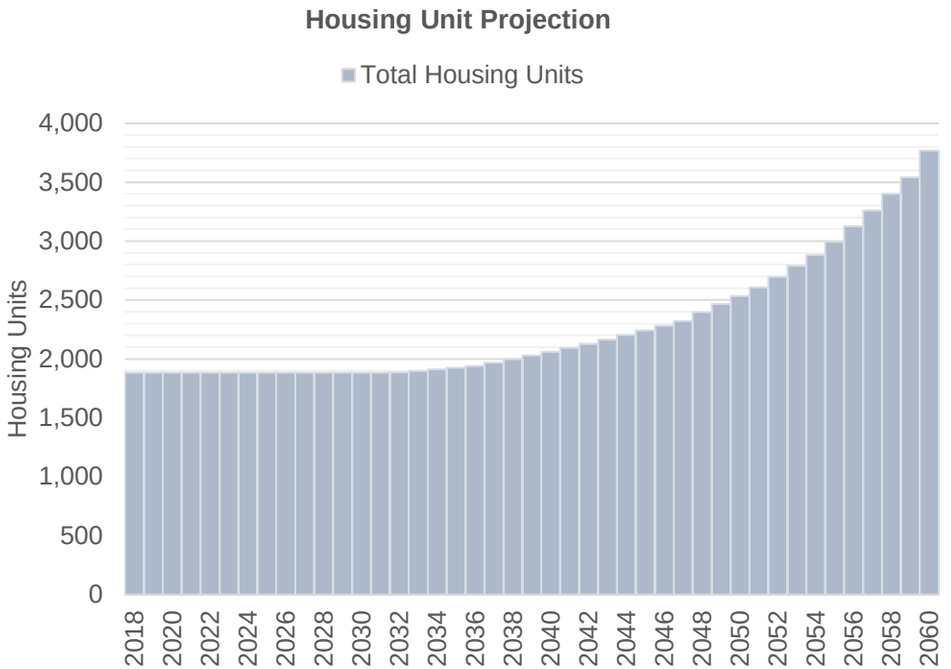


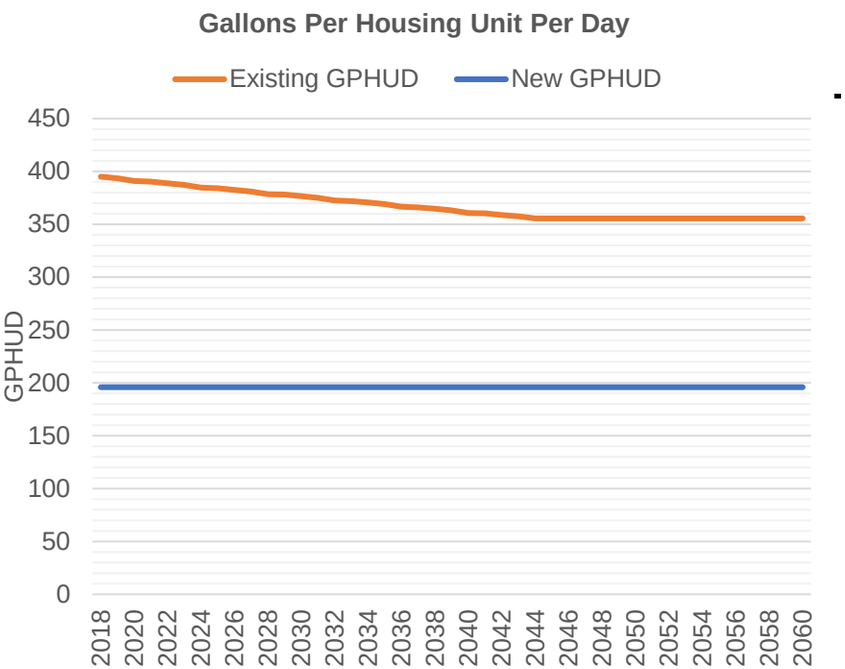


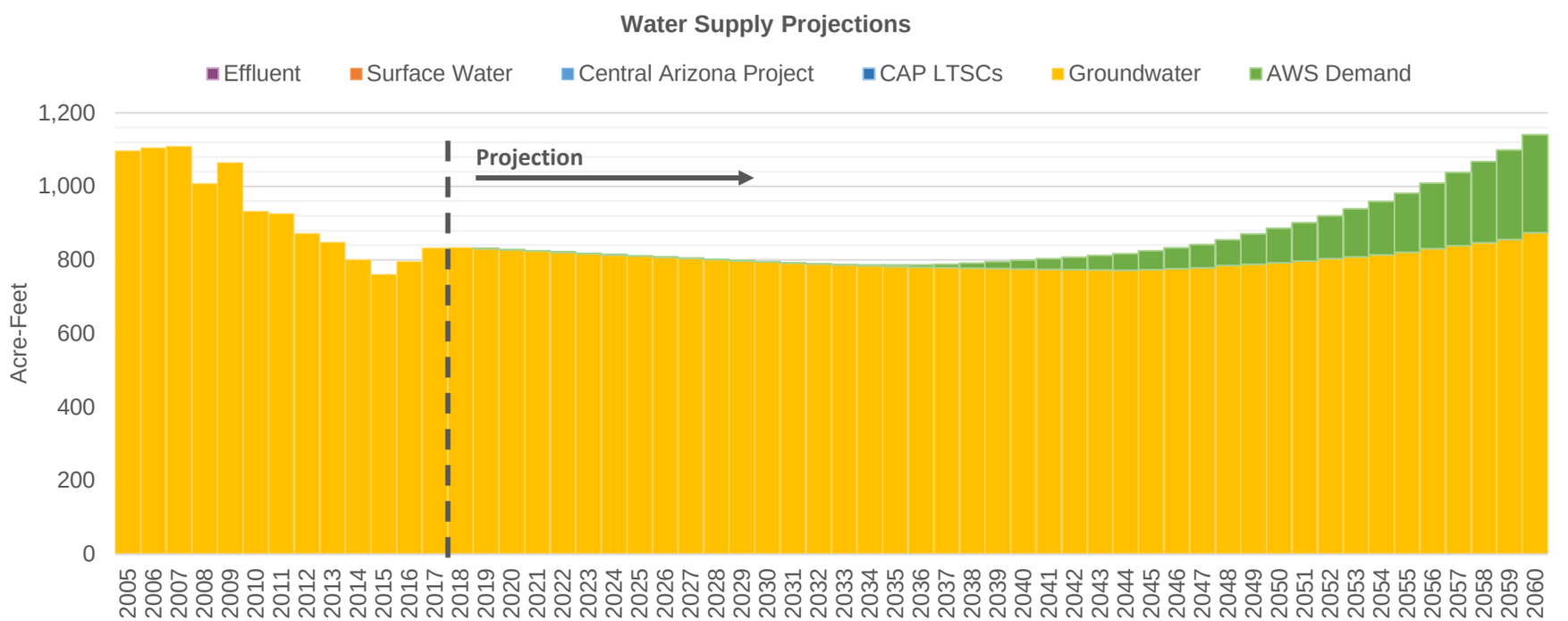
Central Arizona Project Service Area Model

AvraWaterCoop

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

AvraWaterCoop

F. Rapid, Outward, Very Dry Climate [LSCRBS]

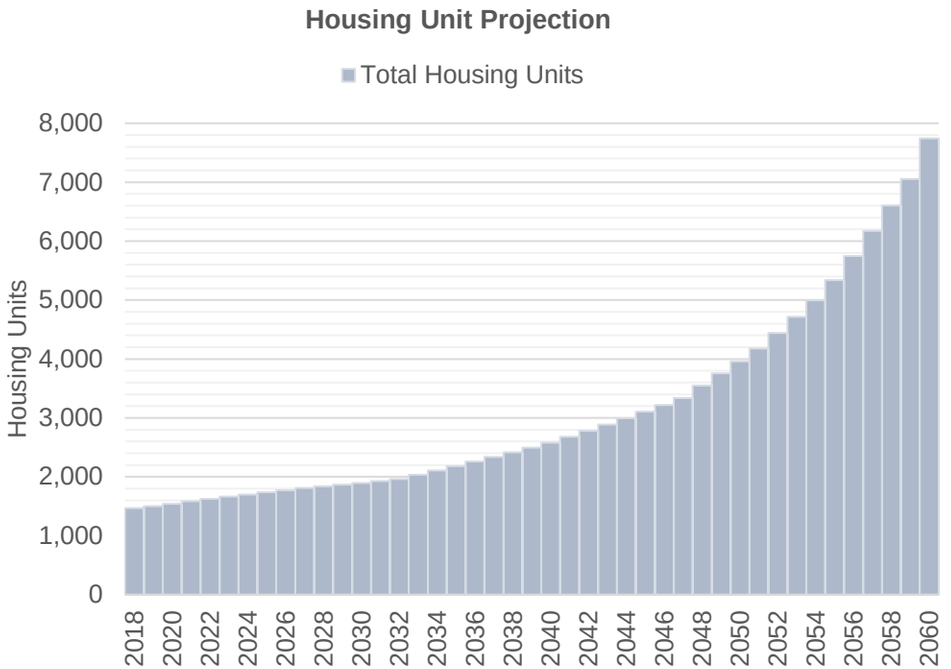
7/15/20 9:31 AM

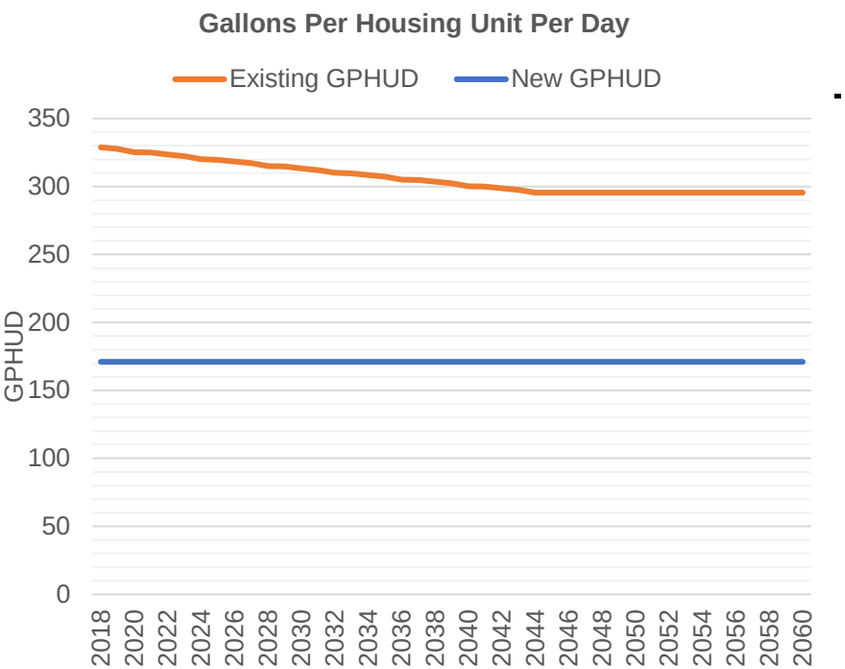
Date	Demand Assumptions: Housing Units	GPHUD		Water Supply Projections (Acre-Feet): Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,885	395	196	0	0	0	0	0	0	0	834	0
2019	1,885	393	196	0	0	0	0	0	0	0	831	0
2020	1,885	391	196	0	0	0	0	0	0	0	827	0
2021	1,885	390	196	0	0	0	0	0	0	0	824	0
2022	1,885	389	196	0	0	0	0	0	0	0	821	0
2023	1,885	387	196	0	0	0	0	0	0	0	817	0
2024	1,885	385	196	0	0	0	0	0	0	0	814	0
2025	1,885	384	196	0	0	0	0	0	0	0	811	0
2026	1,885	383	196	0	0	0	0	0	0	0	808	0
2027	1,885	381	196	0	0	0	0	0	0	0	804	0
2028	1,885	378	196	0	0	0	0	0	0	0	801	0
2029	1,885	378	196	0	0	0	0	0	0	0	798	0
2030	1,885	377	196	0	0	0	0	0	0	0	795	0
2031	1,885	375	196	0	0	0	0	0	0	0	792	0
2032	1,886	372	196	0	0	0	0	0	0	0	789	0
2033	1,899	372	196	0	0	0	0	0	0	0	787	0
2034	1,912	371	196	0	0	0	0	0	0	0	784	2
2035	1,925	369	196	0	0	0	0	0	0	0	782	4
2036	1,939	367	196	0	0	0	0	0	0	0	780	7
2037	1,969	366	196	0	0	0	0	0	0	0	779	9
2038	1,999	365	196	0	0	0	0	0	0	0	778	14
2039	2,030	363	196	0	0	0	0	0	0	0	777	18
2040	2,062	361	196	0	0	0	0	0	0	0	776	23
2041	2,095	360	196	0	0	0	0	0	0	0	775	29
2042	2,129	359	196	0	0	0	0	0	0	0	774	34
2043	2,165	357	196	0	0	0	0	0	0	0	773	39
2044	2,203	356	196	0	0	0	0	0	0	0	772	45
2045	2,242	356	196	0	0	0	0	0	0	0	773	51
2046	2,282	356	196	0	0	0	0	0	0	0	776	58
2047	2,323	356	196	0	0	0	0	0	0	0	778	64
2048	2,397	356	196	0	0	0	0	0	0	0	785	71
2049	2,467	356	196	0	0	0	0	0	0	0	788	82
2050	2,536	356	196	0	0	0	0	0	0	0	792	94
2051	2,609	356	196	0	0	0	0	0	0	0	797	105
2052	2,698	356	196	0	0	0	0	0	0	0	803	117
2053	2,789	356	196	0	0	0	0	0	0	0	808	131
2054	2,883	356	196	0	0	0	0	0	0	0	814	145
2055	2,994	356	196	0	0	0	0	0	0	0	821	160
2056	3,126	356	196	0	0	0	0	0	0	0	831	178
2057	3,261	356	196	0	0	0	0	0	0	0	838	199
2058	3,400	356	196	0	0	0	0	0	0	0	847	221
2059	3,542	356	196	0	0	0	0	0	0	0	856	243
2060	3,769	356	196	0	0	0	0	0	0	0	874	266

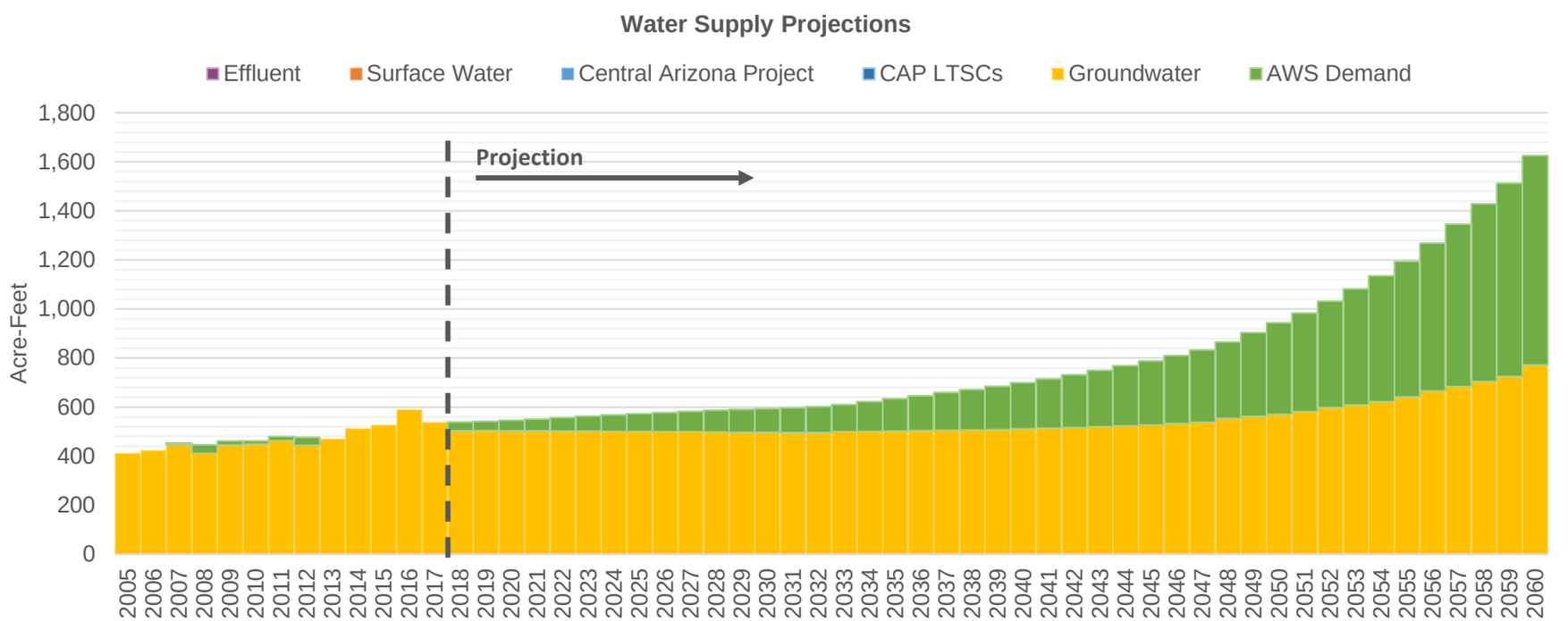
AZWCOracle

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

AZWCOracle

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

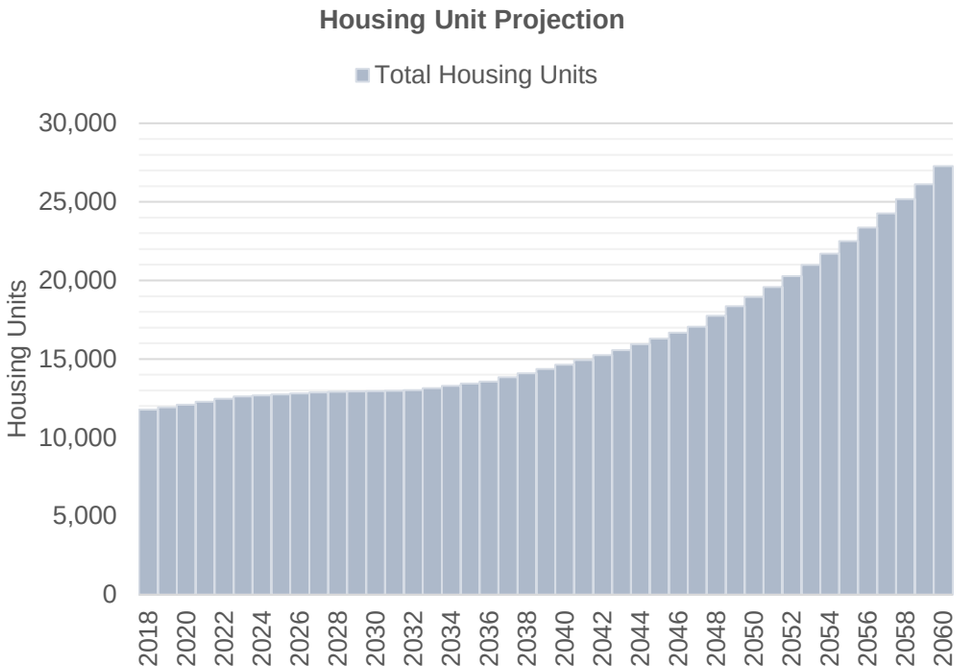
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

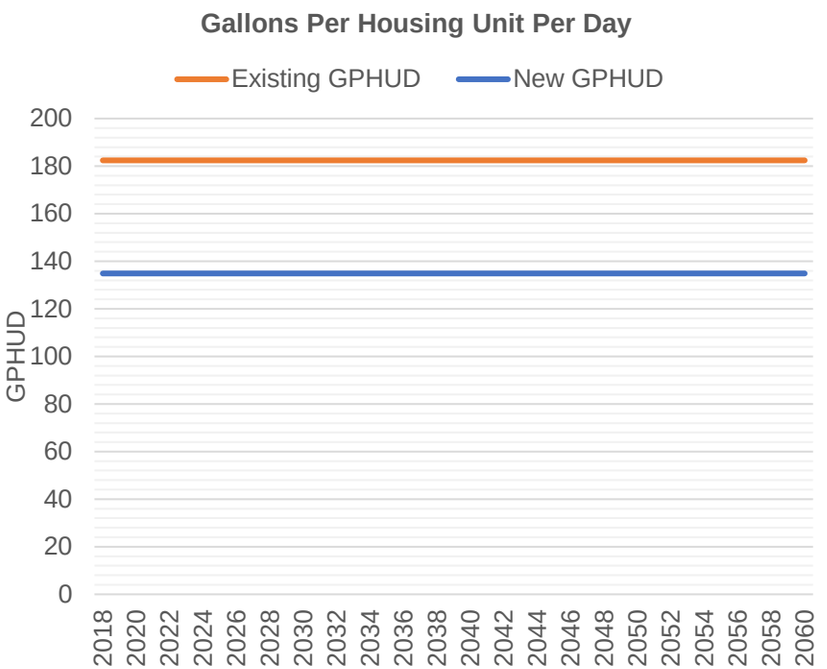
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,471	329	171	0	0	0	0	0	0	0	503	36
2019	1,505	328	171	0	0	0	0	0	0	0	504	37
2020	1,544	325	171	0	0	0	0	0	0	0	503	43
2021	1,585	325	171	0	0	0	0	0	0	0	503	49
2022	1,627	324	171	0	0	0	0	0	0	0	502	55
2023	1,666	322	171	0	0	0	0	0	0	0	501	62
2024	1,701	320	171	0	0	0	0	0	0	0	501	67
2025	1,737	320	171	0	0	0	0	0	0	0	500	73
2026	1,773	318	171	0	0	0	0	0	0	0	500	78
2027	1,810	317	171	0	0	0	0	0	0	0	499	83
2028	1,842	315	171	0	0	0	0	0	0	0	499	89
2029	1,870	315	171	0	0	0	0	0	0	0	497	93
2030	1,898	313	171	0	0	0	0	0	0	0	497	97
2031	1,928	312	171	0	0	0	0	0	0	0	496	101
2032	1.964	310	171	0	0	0	0	0	0	0	496	106
2033	2,036	310	171	0	0	0	0	0	0	0	499	111
2034	2,109	308	171	0	0	0	0	0	0	0	500	122
2035	2,184	307	171	0	0	0	0	0	0	0	502	132
2036	2,260	305	171	0	0	0	0	0	0	0	504	143
2037	2,337	305	171	0	0	0	0	0	0	0	505	154
2038	2,415	304	171	0	0	0	0	0	0	0	507	165
2039	2,496	302	171	0	0	0	0	0	0	0	508	177
2040	2,581	300	171	0	0	0	0	0	0	0	511	189
2041	2,680	300	171	0	0	0	0	0	0	0	514	201
2042	2,782	299	171	0	0	0	0	0	0	0	517	215
2043	2,888	298	171	0	0	0	0	0	0	0	520	230
2044	2,996	296	171	0	0	0	0	0	0	0	524	246
2045	3,107	296	171	0	0	0	0	0	0	0	527	262
2046	3,221	296	171	0	0	0	0	0	0	0	533	278
2047	3,337	296	171	0	0	0	0	0	0	0	538	294
2048	3,552	296	171	0	0	0	0	0	0	0	554	311
2049	3,757	296	171	0	0	0	0	0	0	0	562	343
2050	3,959	296	171	0	0	0	0	0	0	0	571	373
2051	4,176	296	171	0	0	0	0	0	0	0	582	402
2052	4,443	296	171	0	0	0	0	0	0	0	598	434
2053	4,716	296	171	0	0	0	0	0	0	0	609	473
2054	4,997	296	171	0	0	0	0	0	0	0	622	512
2055	5,338	296	171	0	0	0	0	0	0	0	641	553
2056	5,750	296	171	0	0	0	0	0	0	0	666	603
2057	6,173	296	171	0	0	0	0	0	0	0	683	663
2058	6,607	296	171	0	0	0	0	0	0	0	704	725
2059	7,053	296	171	0	0	0	0	0	0	0	725	788
2060	7,747	296	171	0	0	0	0	0	0	0	772	853

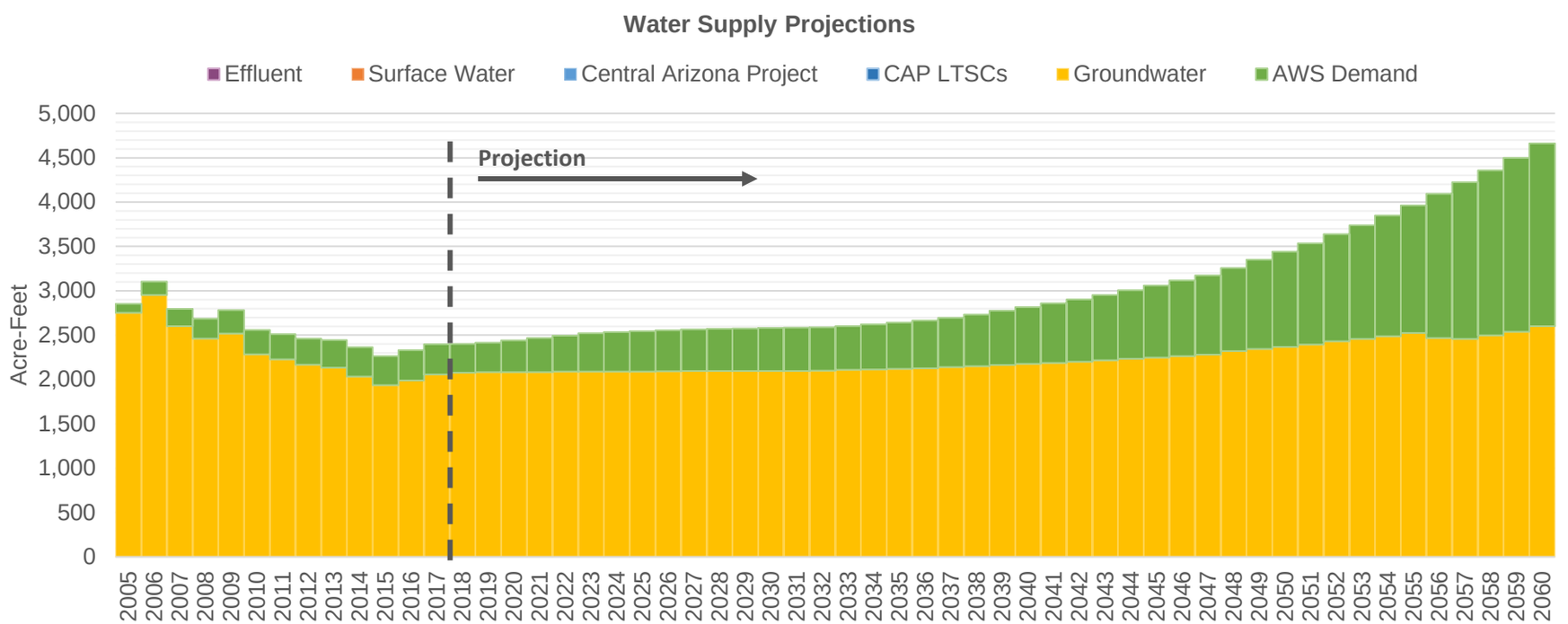
Central Arizona Project Service Area Model

CommWaterGreenVly

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

CommWaterGre

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

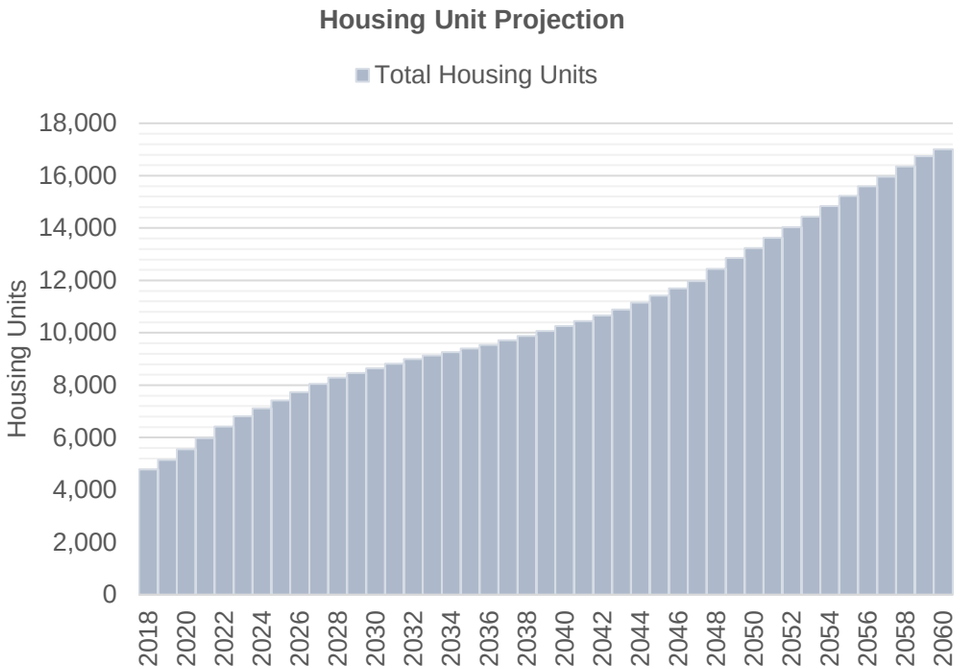
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

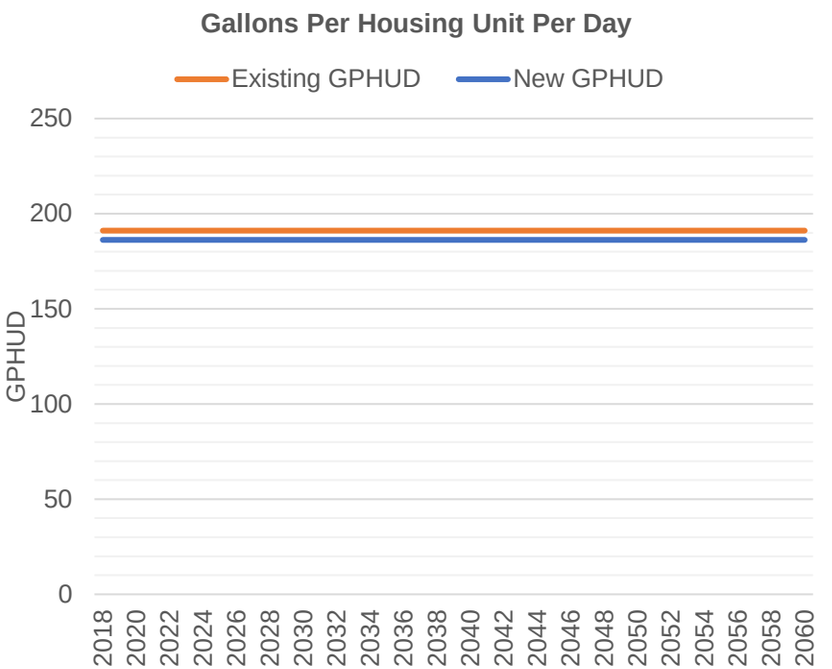
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	11,773	182	135	0	0	0	0	0	0	0	2,078	322
2019	11,925	182	135	0	0	0	0	0	0	0	2,085	330
2020	12,101	182	135	0	0	0	0	0	0	0	2,085	355
2021	12,285	182	135	0	0	0	0	0	0	0	2,085	382
2022	12,472	182	135	0	0	0	0	0	0	0	2,090	405
2023	12,618	182	135	0	0	0	0	0	0	0	2,091	428
2024	12,679	182	135	0	0	0	0	0	0	0	2,090	446
2025	12,741	182	135	0	0	0	0	0	0	0	2,091	454
2026	12,805	182	135	0	0	0	0	0	0	0	2,093	461
2027	12,869	182	135	0	0	0	0	0	0	0	2,096	468
2028	12,909	182	135	0	0	0	0	0	0	0	2,097	476
2029	12,932	182	135	0	0	0	0	0	0	0	2,096	480
2030	12,954	182	135	0	0	0	0	0	0	0	2,097	483
2031	12,977	182	135	0	0	0	0	0	0	0	2,098	485
2032	13.019	182	135	0	0	0	0	0	0	0	2.101	488
2033	13,152	182	135	0	0	0	0	0	0	0	2,109	493
2034	13,288	182	135	0	0	0	0	0	0	0	2,114	508
2035	13,428	182	135	0	0	0	0	0	0	0	2,119	523
2036	13,571	182	135	0	0	0	0	0	0	0	2,126	539
2037	13,829	182	135	0	0	0	0	0	0	0	2,140	554
2038	14,093	182	135	0	0	0	0	0	0	0	2,152	582
2039	14,363	182	135	0	0	0	0	0	0	0	2,163	611
2040	14,641	182	135	0	0	0	0	0	0	0	2,176	640
2041	14,936	182	135	0	0	0	0	0	0	0	2,188	671
2042	15,238	182	135	0	0	0	0	0	0	0	2,201	703
2043	15,572	182	135	0	0	0	0	0	0	0	2,216	736
2044	15,931	182	135	0	0	0	0	0	0	0	2,234	772
2045	16,299	182	135	0	0	0	0	0	0	0	2,248	811
2046	16,675	182	135	0	0	0	0	0	0	0	2,264	851
2047	17,061	182	135	0	0	0	0	0	0	0	2,281	892
2048	17,740	182	135	0	0	0	0	0	0	0	2,322	934
2049	18,358	182	135	0	0	0	0	0	0	0	2,343	1,008
2050	18,952	182	135	0	0	0	0	0	0	0	2,368	1,075
2051	19,574	182	135	0	0	0	0	0	0	0	2,395	1,140
2052	20,267	182	135	0	0	0	0	0	0	0	2,430	1,208
2053	20,977	182	135	0	0	0	0	0	0	0	2,457	1,283
2054	21,706	182	135	0	0	0	0	0	0	0	2,489	1,360
2055	22,501	182	135	0	0	0	0	0	0	0	2,524	1,440
2056	23,371	182	135	0	0	0	0	0	0	0	2,469	1,626
2057	24,263	182	135	0	0	0	0	0	0	0	2,459	1,764
2058	25,179	182	135	0	0	0	0	0	0	0	2,498	1,861
2059	26,120	182	135	0	0	0	0	0	0	0	2,539	1,961
2060	27,268	182	135	0	0	0	0	0	0	0	2,601	2,063

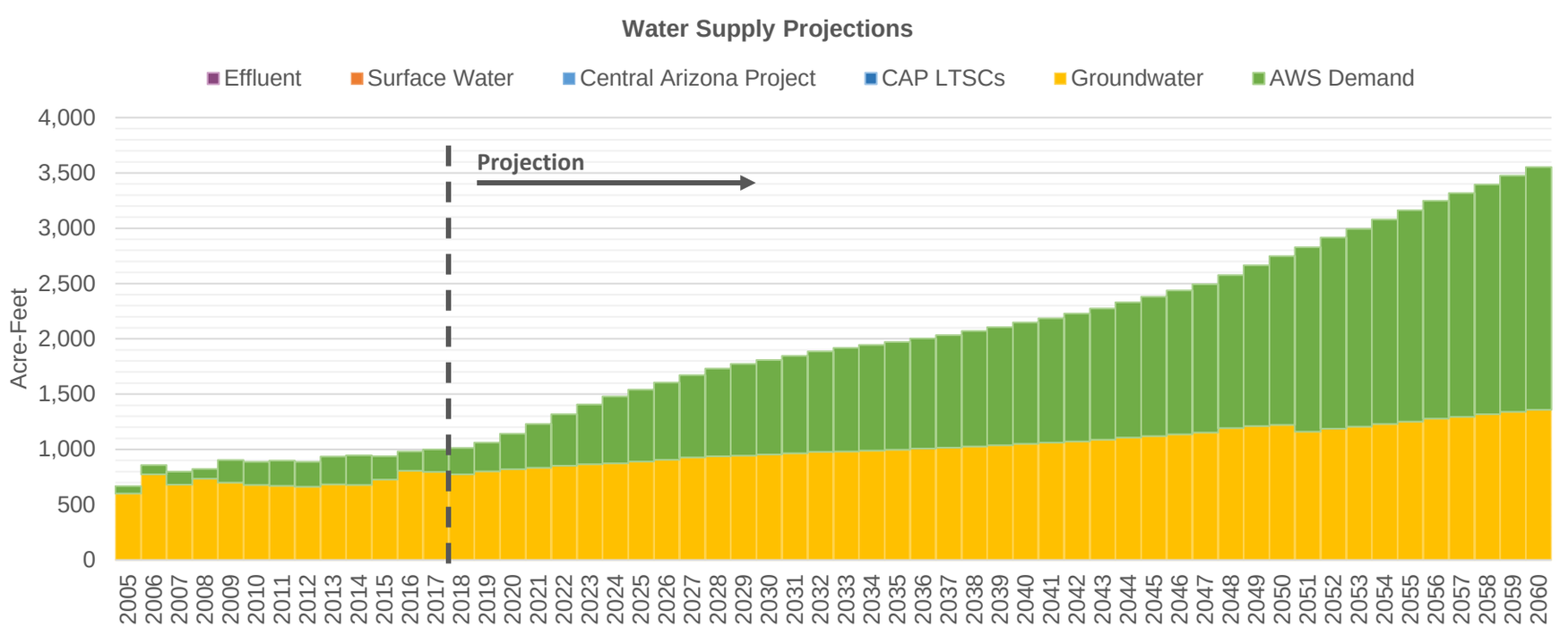
FarmersWC

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

FarmersWC

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

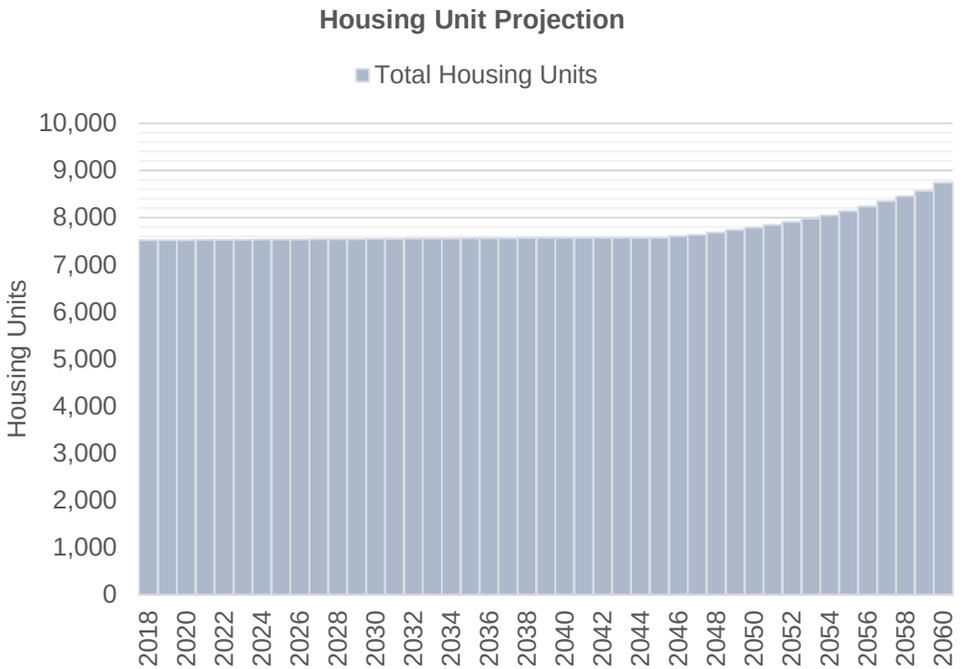
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

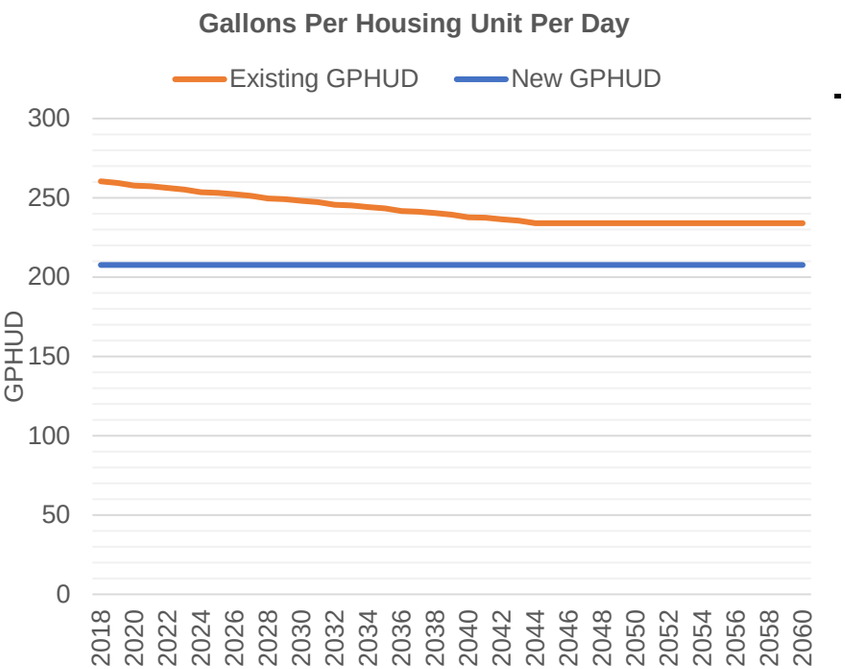
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,787	191	186	0	0	0	0	0	0	0	774	238
2019	5,143	191	186	0	0	0	0	0	0	0	803	258
2020	5,555	191	186	0	0	0	0	0	0	0	821	321
2021	5,986	191	186	0	0	0	0	0	0	0	835	394
2022	6,423	191	186	0	0	0	0	0	0	0	853	467
2023	6,816	191	186	0	0	0	0	0	0	0	865	541
2024	7,116	191	186	0	0	0	0	0	0	0	873	607
2025	7,421	191	186	0	0	0	0	0	0	0	889	653
2026	7,733	191	186	0	0	0	0	0	0	0	908	698
2027	8,051	191	186	0	0	0	0	0	0	0	927	745
2028	8,286	191	186	0	0	0	0	0	0	0	939	793
2029	8,461	191	186	0	0	0	0	0	0	0	944	828
2030	8,640	191	186	0	0	0	0	0	0	0	955	855
2031	8,823	191	186	0	0	0	0	0	0	0	965	882
2032	9.001	191	186	0	0	0	0	0	0	0	978	909
2033	9,131	191	186	0	0	0	0	0	0	0	981	936
2034	9,264	191	186	0	0	0	0	0	0	0	989	955
2035	9,400	191	186	0	0	0	0	0	0	0	997	975
2036	9,540	191	186	0	0	0	0	0	0	0	1,008	996
2037	9,711	191	186	0	0	0	0	0	0	0	1,017	1,017
2038	9,886	191	186	0	0	0	0	0	0	0	1,027	1,043
2039	10,066	191	186	0	0	0	0	0	0	0	1,038	1,069
2040	10,252	191	186	0	0	0	0	0	0	0	1,052	1,096
2041	10,453	191	186	0	0	0	0	0	0	0	1,061	1,124
2042	10,659	191	186	0	0	0	0	0	0	0	1,074	1,154
2043	10,895	191	186	0	0	0	0	0	0	0	1,089	1,185
2044	11,154	191	186	0	0	0	0	0	0	0	1,109	1,221
2045	11,420	191	186	0	0	0	0	0	0	0	1,121	1,260
2046	11,691	191	186	0	0	0	0	0	0	0	1,137	1,300
2047	11,970	191	186	0	0	0	0	0	0	0	1,153	1,340
2048	12,442	191	186	0	0	0	0	0	0	0	1,194	1,382
2049	12,852	191	186	0	0	0	0	0	0	0	1,211	1,453
2050	13,239	191	186	0	0	0	0	0	0	0	1,221	1,526
2051	13,633	191	186	0	0	0	0	0	0	0	1,160	1,669
2052	14,026	191	186	0	0	0	0	0	0	0	1,188	1,728
2053	14,429	191	186	0	0	0	0	0	0	0	1,206	1,787
2054	14,842	191	186	0	0	0	0	0	0	0	1,231	1,848
2055	15,233	191	186	0	0	0	0	0	0	0	1,253	1,910
2056	15,595	191	186	0	0	0	0	0	0	0	1,279	1,968
2057	15,966	191	186	0	0	0	0	0	0	0	1,295	2,023
2058	16,347	191	186	0	0	0	0	0	0	0	1,317	2,079
2059	16,739	191	186	0	0	0	0	0	0	0	1,341	2,136
2060	17,007	191	186	0	0	0	0	0	0	0	1,358	2,195

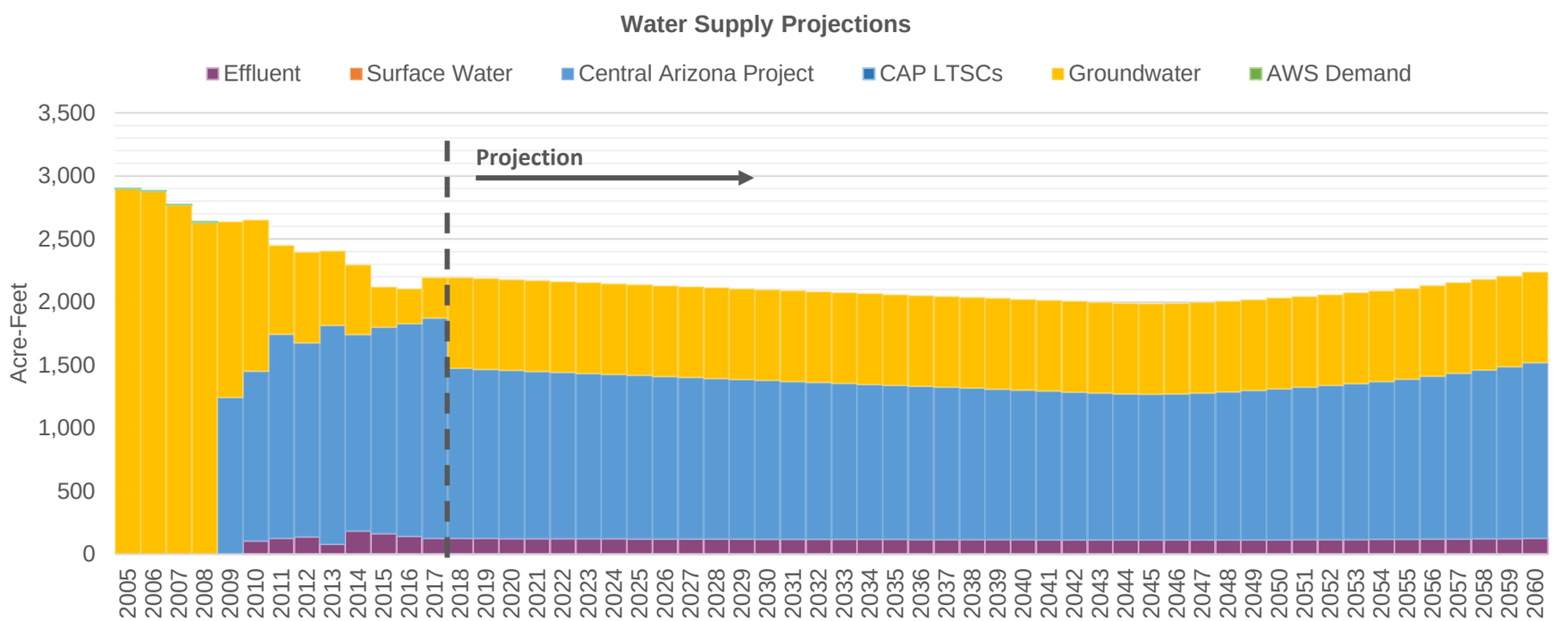
Central Arizona Project Service Area Model

FWID

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

FWID

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

Demand Assumptions

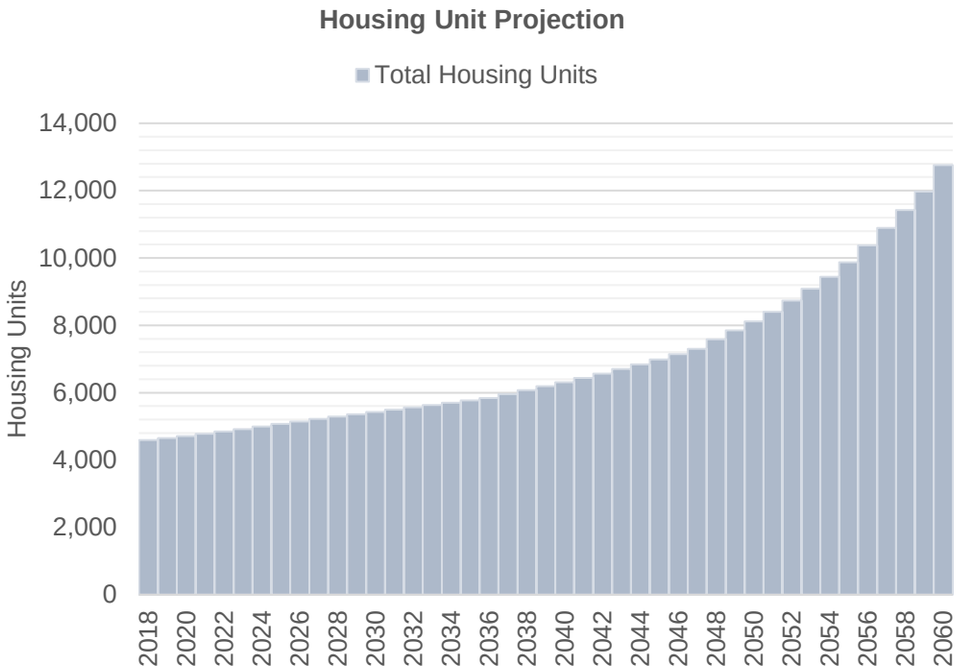
Water Supply Projections (Acre-Feet)

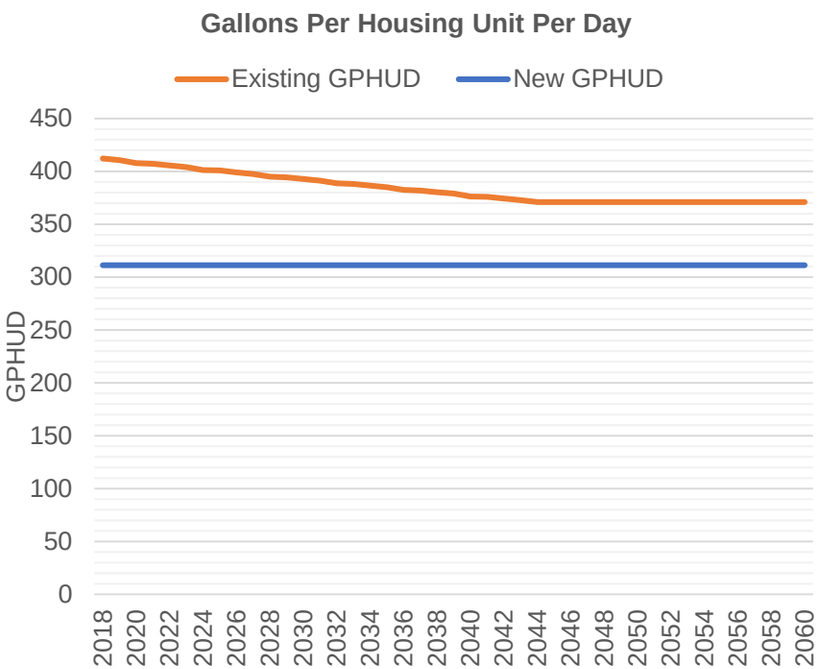
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	7,522	260	208	125	0	0	0	1,350	1,523	0	719	0
2019	7,523	259	208	125	0	0	0	1,341	1,532	0	719	0
2020	7,525	258	208	125	0	0	0	1,333	1,540	0	719	0
2021	7,528	257	208	124	0	0	0	1,326	1,547	0	719	0
2022	7,530	256	208	124	0	0	0	1,318	1,555	0	719	0
2023	7,532	255	208	123	0	0	0	1,310	1,563	0	719	0
2024	7,534	254	208	123	0	0	0	1,303	1,570	0	719	0
2025	7,537	253	208	122	0	0	0	1,295	1,578	0	719	0
2026	7,539	252	208	122	0	0	0	1,288	1,585	0	719	0
2027	7,541	251	208	121	0	0	0	1,280	1,593	0	719	0
2028	7,544	250	208	121	0	0	0	1,273	1,600	0	719	0
2029	7,546	249	208	120	0	0	0	1,266	1,607	0	719	0
2030	7,549	248	208	120	0	0	0	1,258	1,615	0	719	0
2031	7,551	247	208	119	0	0	0	1,251	1,622	0	719	0
2032	7,554	246	208	119	0	0	0	1,243	1,630	0	719	0
2033	7,556	245	208	119	0	0	0	1,236	1,637	0	719	0
2034	7,559	244	208	118	0	0	0	1,229	1,644	0	719	0
2035	7,561	243	208	118	0	0	0	1,222	1,651	0	719	0
2036	7,564	242	208	117	0	0	0	1,215	1,658	0	719	0
2037	7,567	241	208	117	0	0	0	1,207	1,666	0	719	0
2038	7,570	240	208	116	0	0	0	1,201	1,476	0	719	0
2039	7,573	239	208	116	0	0	0	1,193	1,030	0	719	0
2040	7,574	238	208	116	0	0	0	1,186	1,442	0	719	0
2041	7,574	237	208	115	0	0	0	1,179	1,649	0	719	0
2042	7,574	237	208	115	0	0	0	1,171	1,631	0	719	0
2043	7,574	236	208	114	0	0	0	1,164	1,709	0	719	0
2044	7,574	234	208	114	0	0	0	1,156	1,717	0	719	0
2045	7,574	234	208	113	0	0	0	1,155	1,718	0	719	0
2046	7,603	234	208	113	0	0	0	1,158	1,622	0	719	0
2047	7,632	234	208	113	0	0	0	1,165	1,708	0	719	0
2048	7,686	234	208	114	0	0	0	1,174	1,606	0	719	0
2049	7,738	234	208	114	0	0	0	1,186	1,594	0	719	0
2050	7,788	234	208	115	0	0	0	1,197	1,584	0	719	0
2051	7,843	234	208	116	0	0	0	1,208	1,572	0	719	0
2052	7,910	234	208	116	0	0	0	1,222	1,359	0	719	0
2053	7,979	234	208	117	0	0	0	1,237	1,344	0	719	0
2054	8,049	234	208	118	0	0	0	1,252	1,005	0	719	0
2055	8,135	234	208	119	0	0	0	1,269	739	0	719	0
2056	8,239	234	208	120	0	0	0	1,291	343	0	719	0
2057	8,346	234	208	121	0	0	0	1,314	943	0	719	0
2058	8,455	234	208	123	0	0	0	1,337	1,044	0	719	0
2059	8,567	234	208	124	0	0	0	1,362	970	0	719	0
2060	8,743	234	208	126	0	0	0	1,394	938	0	719	0

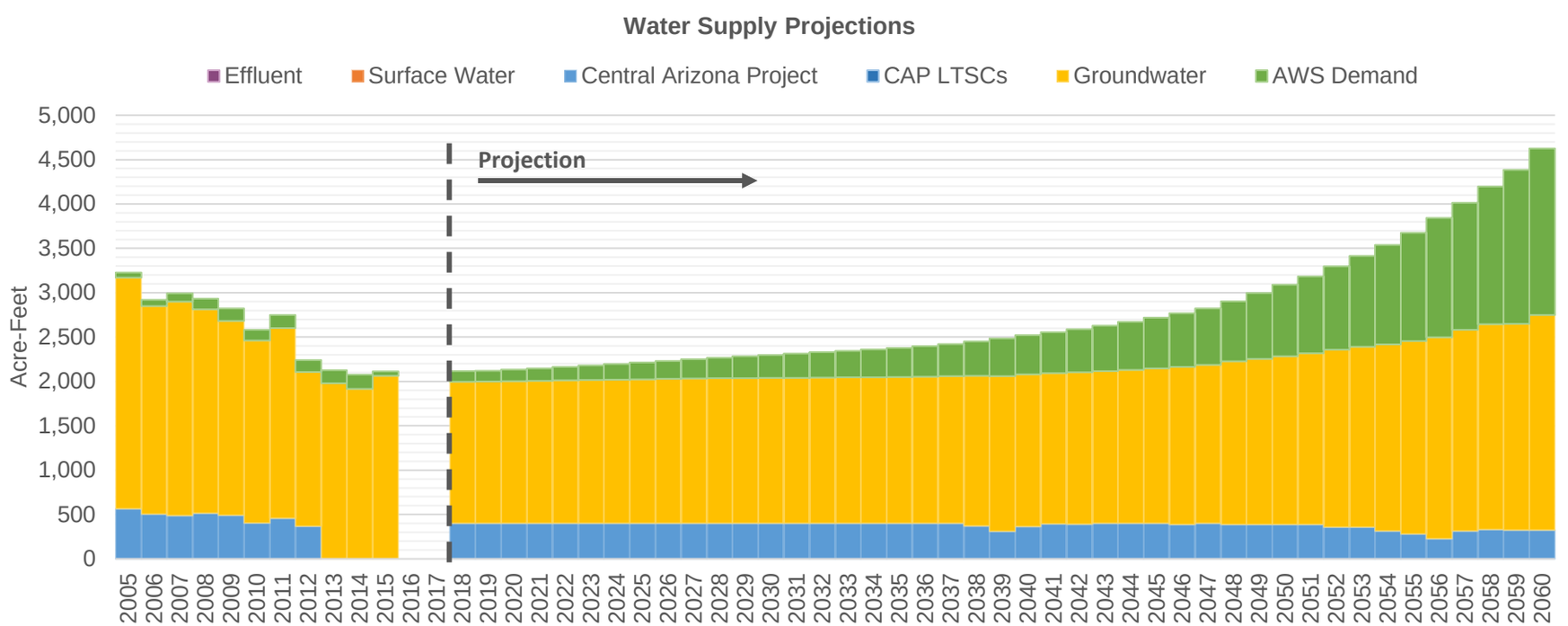
Central Arizona Project Service Area Model

GVDWID

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

GVDWID

F. Rapid, Outward, Very Dry Climate [LSCRBS]

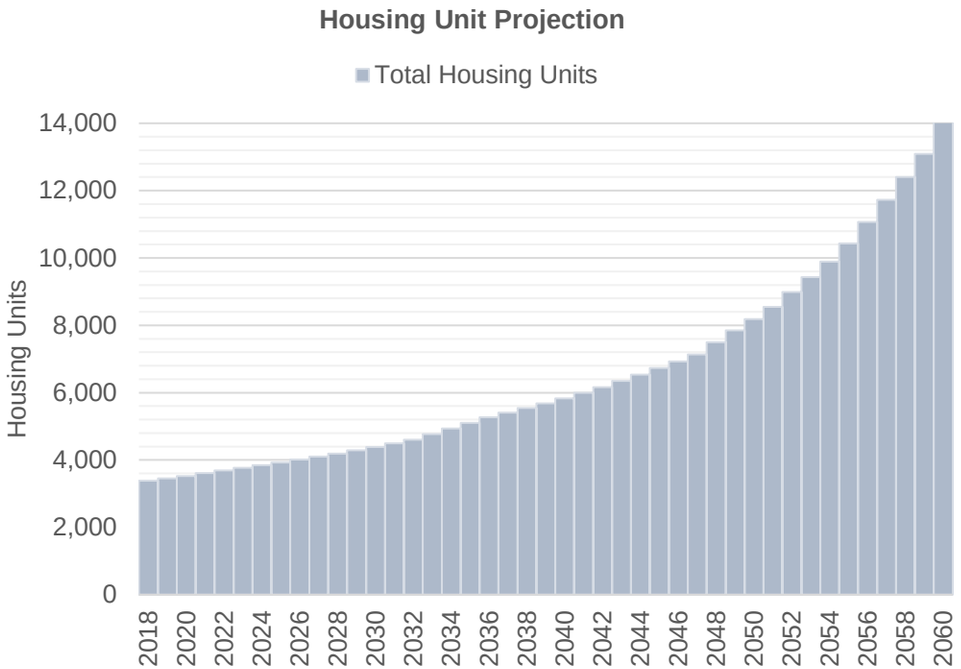
7/15/20 9:31 AM

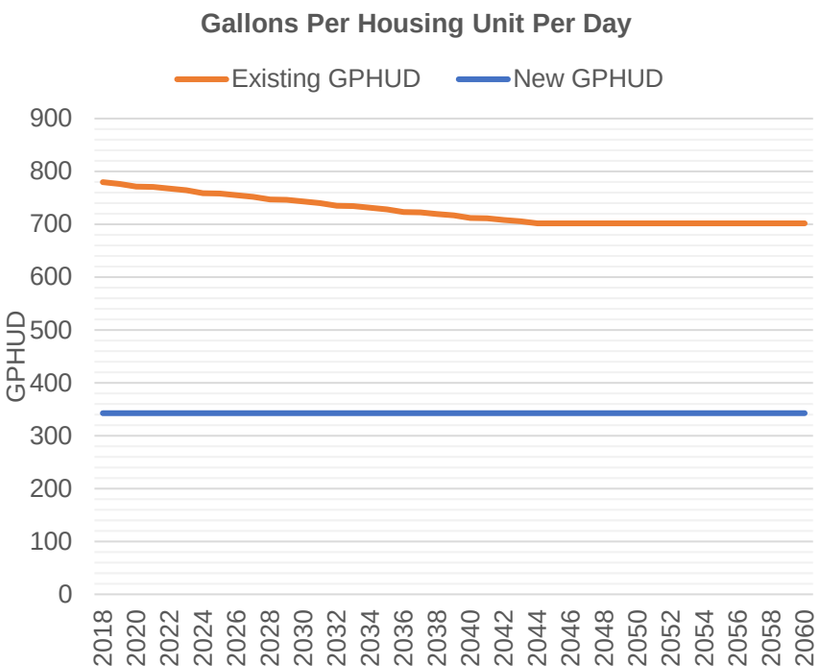
Date	Demand Assumptions: Housing Units	GPHUD		Water Supply Projections (Acre-Feet): Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,595	412	311	0	0	0	399	0	0	0	1,599	119
2019	4,651	411	311	0	0	0	399	0	0	0	1,600	122
2020	4,715	408	311	0	0	0	399	0	0	0	1,604	131
2021	4,783	407	311	0	0	0	399	0	0	0	1,608	141
2022	4,851	406	311	0	0	0	399	0	0	0	1,612	152
2023	4,921	404	311	0	0	0	399	0	0	0	1,617	164
2024	4,994	401	311	0	0	0	399	0	0	0	1,621	176
2025	5,069	401	311	0	0	0	399	0	0	0	1,625	189
2026	5,145	399	311	0	0	0	399	0	0	0	1,630	203
2027	5,223	398	311	0	0	0	399	0	0	0	1,634	217
2028	5,293	395	311	0	0	0	399	0	0	0	1,637	232
2029	5,358	394	311	0	0	0	399	0	0	0	1,639	246
2030	5,425	393	311	0	0	0	399	0	0	0	1,640	259
2031	5,492	391	311	0	0	0	399	0	0	0	1,642	273
2032	5.561	389	311	0	0	0	399	0	0	0	1.645	286
2033	5,630	388	311	0	0	0	399	0	0	0	1,646	301
2034	5,699	387	311	0	0	0	399	0	0	0	1,648	315
2035	5,771	385	311	0	0	0	399	0	0	0	1,650	329
2036	5,844	382	311	0	0	0	399	0	0	0	1,654	344
2037	5,956	382	311	0	0	0	399	0	0	0	1,662	359
2038	6,071	380	311	0	0	0	372	0	0	0	1,692	388
2039	6,189	379	311	0	0	0	309	0	0	0	1,751	424
2040	6,309	376	311	0	0	0	365	0	0	0	1,716	439
2041	6,435	376	311	0	0	0	393	0	0	0	1,702	458
2042	6,563	374	311	0	0	0	389	0	0	0	1,715	486
2043	6,700	373	311	0	0	0	399	0	0	0	1,718	511
2044	6,844	371	311	0	0	0	399	0	0	0	1,732	541
2045	6,992	371	311	0	0	0	399	0	0	0	1,748	572
2046	7,143	371	311	0	0	0	386	0	0	0	1,777	607
2047	7,298	371	311	0	0	0	399	0	0	0	1,788	637
2048	7,582	371	311	0	0	0	386	0	0	0	1,841	676
2049	7,851	371	311	0	0	0	386	0	0	0	1,869	742
2050	8,114	371	311	0	0	0	386	0	0	0	1,899	804
2051	8,396	371	311	0	0	0	386	0	0	0	1,933	866
2052	8,737	371	311	0	0	0	358	0	0	0	1,998	941
2053	9,087	371	311	0	0	0	358	0	0	0	2,033	1,022
2054	9,445	371	311	0	0	0	313	0	0	0	2,103	1,121
2055	9,872	371	311	0	0	0	279	0	0	0	2,176	1,219
2056	10,377	371	311	0	0	0	227	0	0	0	2,272	1,342
2057	10,895	371	311	0	0	0	313	0	0	0	2,269	1,432
2058	11,426	371	311	0	0	0	331	0	0	0	2,316	1,551
2059	11,972	371	311	0	0	0	324	0	0	0	2,323	1,738
2060	12,761	371	311	0	0	0	324	0	0	0	2,426	1,876

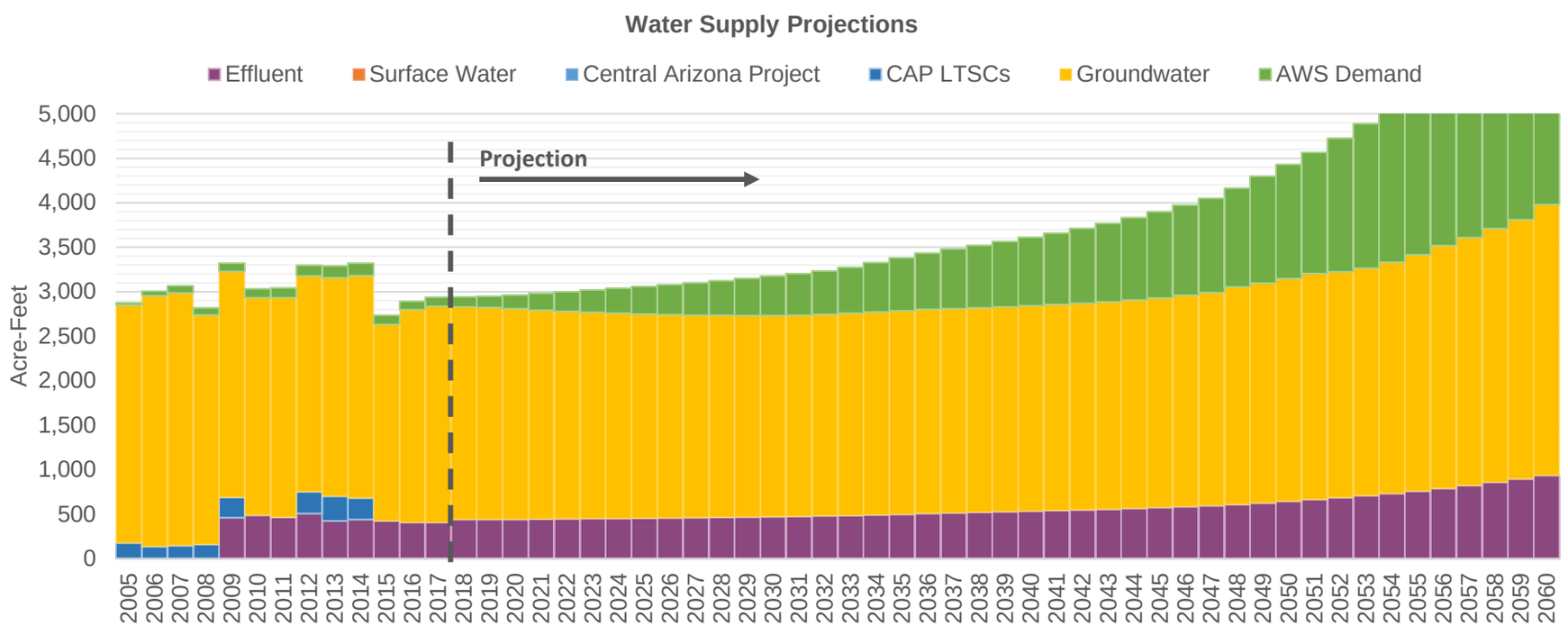
LagoDelOro

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LagoDelOro

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

Demand Assumptions

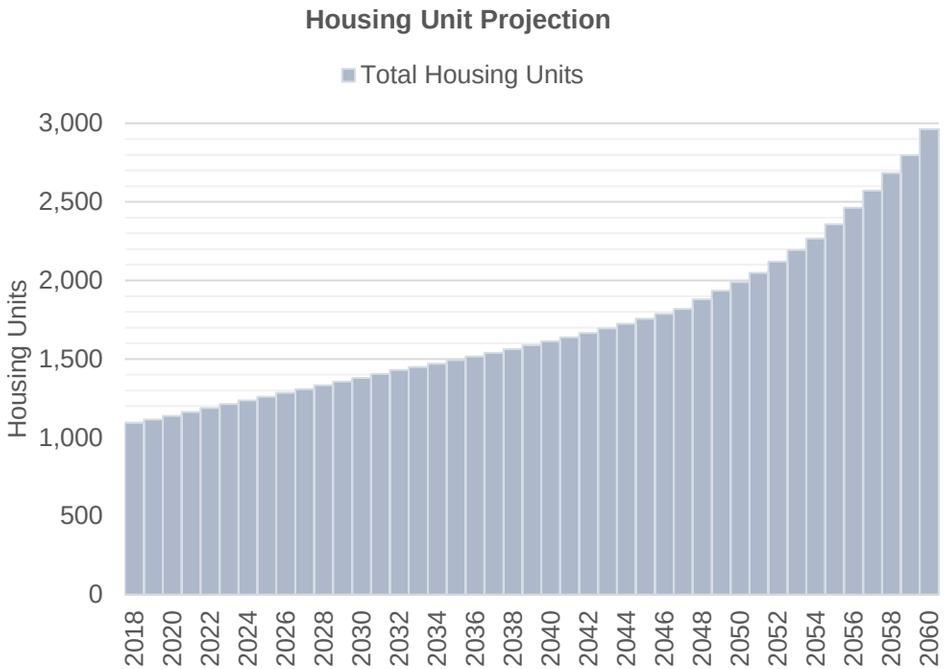
Water Supply Projections (Acre-Feet)

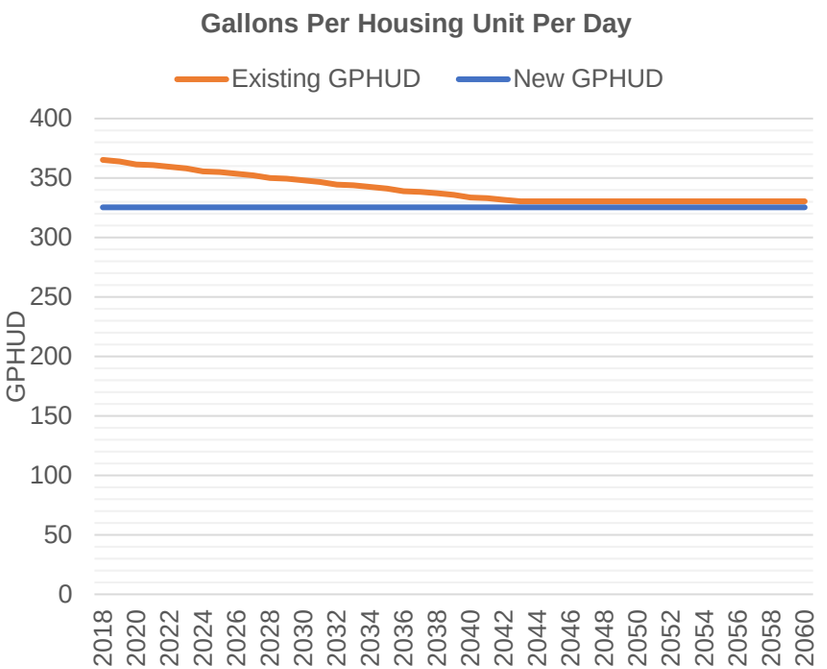
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,387	780	343	441	0	0	0	0	0	0	2,387	116
2019	3,452	777	343	441	0	0	0	0	0	0	2,382	126
2020	3,528	771	343	442	0	0	0	0	0	0	2,367	155
2021	3,607	770	343	444	0	0	0	0	0	0	2,348	190
2022	3,687	767	343	447	0	0	0	0	0	0	2,334	220
2023	3,767	764	343	450	0	0	0	0	0	0	2,319	251
2024	3,848	759	343	452	0	0	0	0	0	0	2,307	281
2025	3,930	758	343	455	0	0	0	0	0	0	2,293	311
2026	4,014	755	343	458	0	0	0	0	0	0	2,285	337
2027	4,100	752	343	461	0	0	0	0	0	0	2,276	364
2028	4,192	747	343	465	0	0	0	0	0	0	2,271	389
2029	4,290	746	343	468	0	0	0	0	0	0	2,265	416
2030	4,390	743	343	472	0	0	0	0	0	0	2,261	443
2031	4,492	740	343	476	0	0	0	0	0	0	2,261	467
2032	4.604	735	343	480	0	0	0	0	0	0	2.264	490
2033	4,766	734	343	485	0	0	0	0	0	0	2,274	516
2034	4,932	731	343	491	0	0	0	0	0	0	2,283	553
2035	5,101	728	343	498	0	0	0	0	0	0	2,289	592
2036	5,273	723	343	506	0	0	0	0	0	0	2,298	632
2037	5,407	723	343	515	0	0	0	0	0	0	2,295	672
2038	5,543	720	343	522	0	0	0	0	0	0	2,297	704
2039	5,683	717	343	528	0	0	0	0	0	0	2,301	736
2040	5,830	712	343	534	0	0	0	0	0	0	2,309	769
2041	5,996	711	343	541	0	0	0	0	0	0	2,314	804
2042	6,167	708	343	548	0	0	0	0	0	0	2,321	843
2043	6,347	705	343	556	0	0	0	0	0	0	2,330	883
2044	6,536	702	343	565	0	0	0	0	0	0	2,342	926
2045	6,729	702	343	574	0	0	0	0	0	0	2,355	971
2046	6,927	702	343	584	0	0	0	0	0	0	2,374	1,017
2047	7,130	702	343	595	0	0	0	0	0	0	2,393	1,063
2048	7,499	702	343	607	0	0	0	0	0	0	2,446	1,113
2049	7,847	702	343	624	0	0	0	0	0	0	2,474	1,201
2050	8,188	702	343	644	0	0	0	0	0	0	2,504	1,283
2051	8,551	702	343	664	0	0	0	0	0	0	2,539	1,363
2052	8,987	702	343	684	0	0	0	0	0	0	2,540	1,501
2053	9,434	702	343	708	0	0	0	0	0	0	2,557	1,625
2054	9,892	702	343	732	0	0	0	0	0	0	2,600	1,731
2055	10,434	702	343	758	0	0	0	0	0	0	2,657	1,840
2056	11,073	702	343	787	0	0	0	0	0	0	2,732	1,970
2057	11,729	702	343	822	0	0	0	0	0	0	2,786	2,121
2058	12,402	702	343	858	0	0	0	0	0	0	2,850	2,277
2059	13,092	702	343	897	0	0	0	0	0	0	2,914	2,436
2060	14,107	702	343	936	0	0	0	0	0	0	3,045	2,603

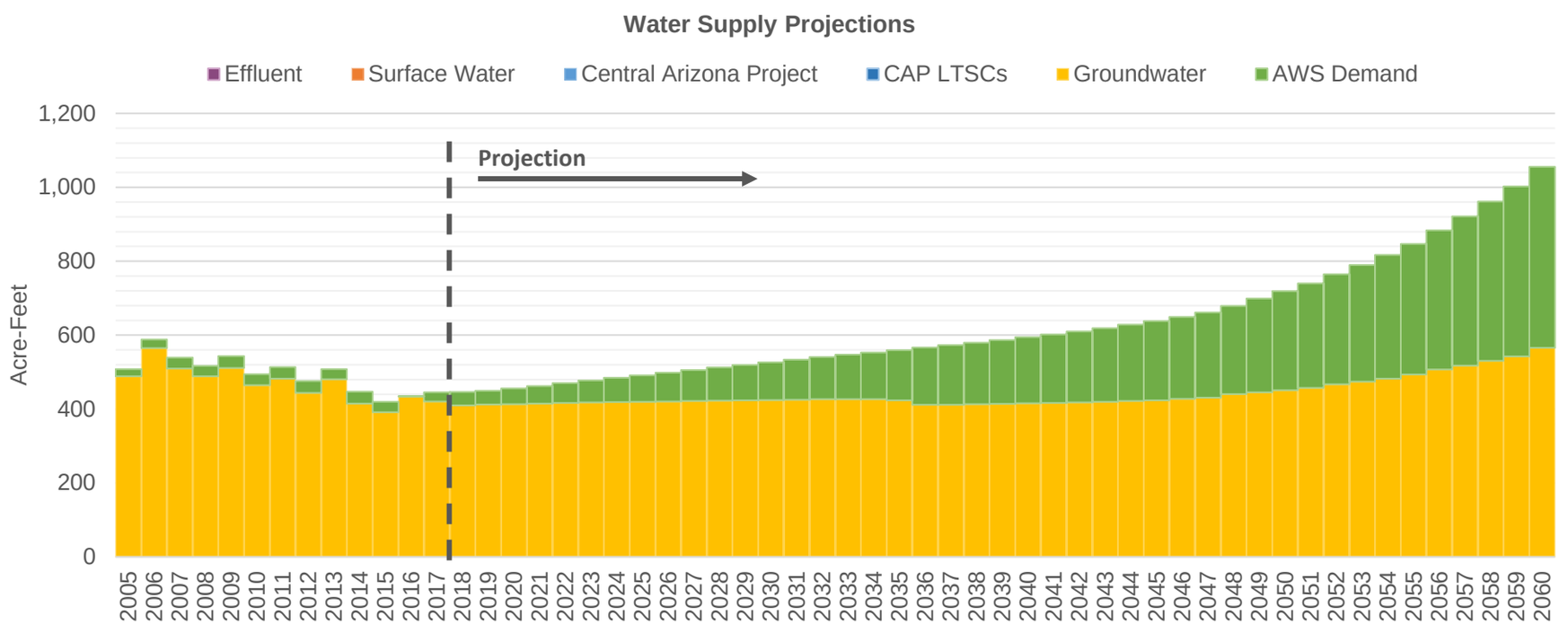
LasQuintas

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LasQuintas

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

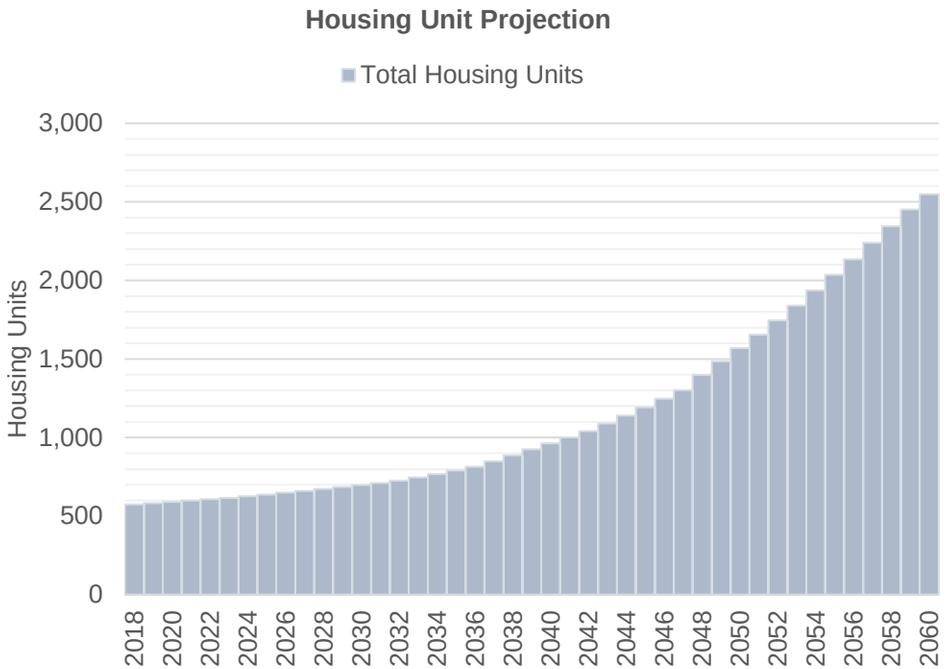
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

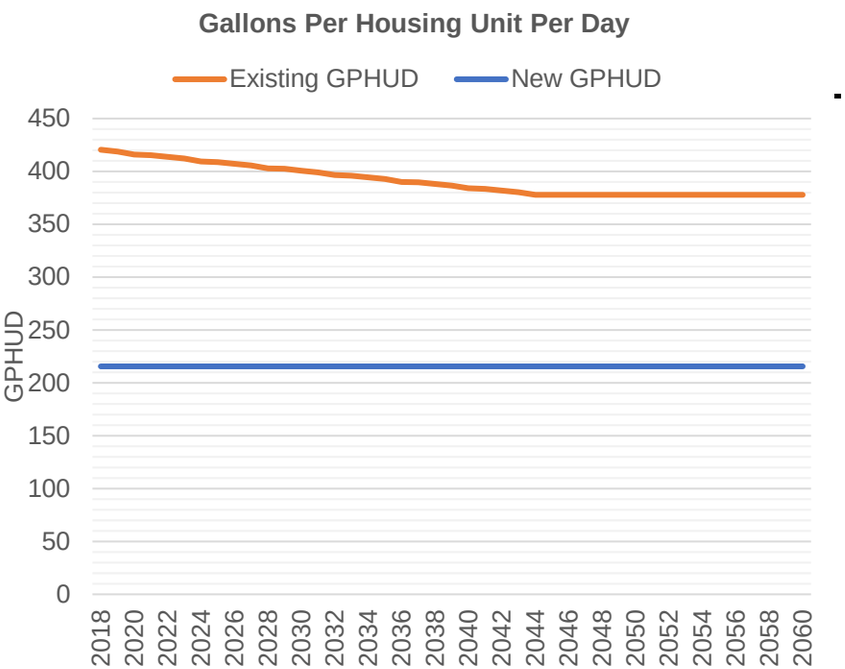
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,094	365	325	0	0	0	0	0	0	0	410	36
2019	1,115	364	325	0	0	0	0	0	0	0	412	37
2020	1,138	361	325	0	0	0	0	0	0	0	414	42
2021	1,163	361	325	0	0	0	0	0	0	0	415	47
2022	1,188	359	325	0	0	0	0	0	0	0	416	54
2023	1,213	358	325	0	0	0	0	0	0	0	418	60
2024	1,236	356	325	0	0	0	0	0	0	0	419	66
2025	1,260	355	325	0	0	0	0	0	0	0	420	71
2026	1,284	354	325	0	0	0	0	0	0	0	421	77
2027	1,309	352	325	0	0	0	0	0	0	0	422	84
2028	1,333	350	325	0	0	0	0	0	0	0	423	90
2029	1,356	350	325	0	0	0	0	0	0	0	423	96
2030	1,380	348	325	0	0	0	0	0	0	0	424	102
2031	1,405	347	325	0	0	0	0	0	0	0	425	108
2032	1,429	344	325	0	0	0	0	0	0	0	427	114
2033	1,450	344	325	0	0	0	0	0	0	0	427	121
2034	1,471	343	325	0	0	0	0	0	0	0	427	126
2035	1,493	341	325	0	0	0	0	0	0	0	424	136
2036	1,516	339	325	0	0	0	0	0	0	0	411	155
2037	1,539	338	325	0	0	0	0	0	0	0	412	161
2038	1,563	337	325	0	0	0	0	0	0	0	413	167
2039	1,588	336	325	0	0	0	0	0	0	0	414	173
2040	1,613	334	325	0	0	0	0	0	0	0	416	179
2041	1,639	333	325	0	0	0	0	0	0	0	416	186
2042	1,666	332	325	0	0	0	0	0	0	0	418	192
2043	1,695	330	325	0	0	0	0	0	0	0	419	199
2044	1,725	330	325	0	0	0	0	0	0	0	422	207
2045	1,755	330	325	0	0	0	0	0	0	0	424	214
2046	1,787	330	325	0	0	0	0	0	0	0	427	222
2047	1,819	330	325	0	0	0	0	0	0	0	431	230
2048	1,879	330	325	0	0	0	0	0	0	0	440	238
2049	1,935	330	325	0	0	0	0	0	0	0	445	254
2050	1,990	330	325	0	0	0	0	0	0	0	451	268
2051	2,049	330	325	0	0	0	0	0	0	0	458	282
2052	2,120	330	325	0	0	0	0	0	0	0	467	297
2053	2,193	330	325	0	0	0	0	0	0	0	474	316
2054	2,268	330	325	0	0	0	0	0	0	0	483	334
2055	2,357	330	325	0	0	0	0	0	0	0	493	354
2056	2,463	330	325	0	0	0	0	0	0	0	507	376
2057	2,571	330	325	0	0	0	0	0	0	0	518	404
2058	2,683	330	325	0	0	0	0	0	0	0	530	431
2059	2,797	330	325	0	0	0	0	0	0	0	543	460
2060	2,962	330	325	0	0	0	0	0	0	0	566	489

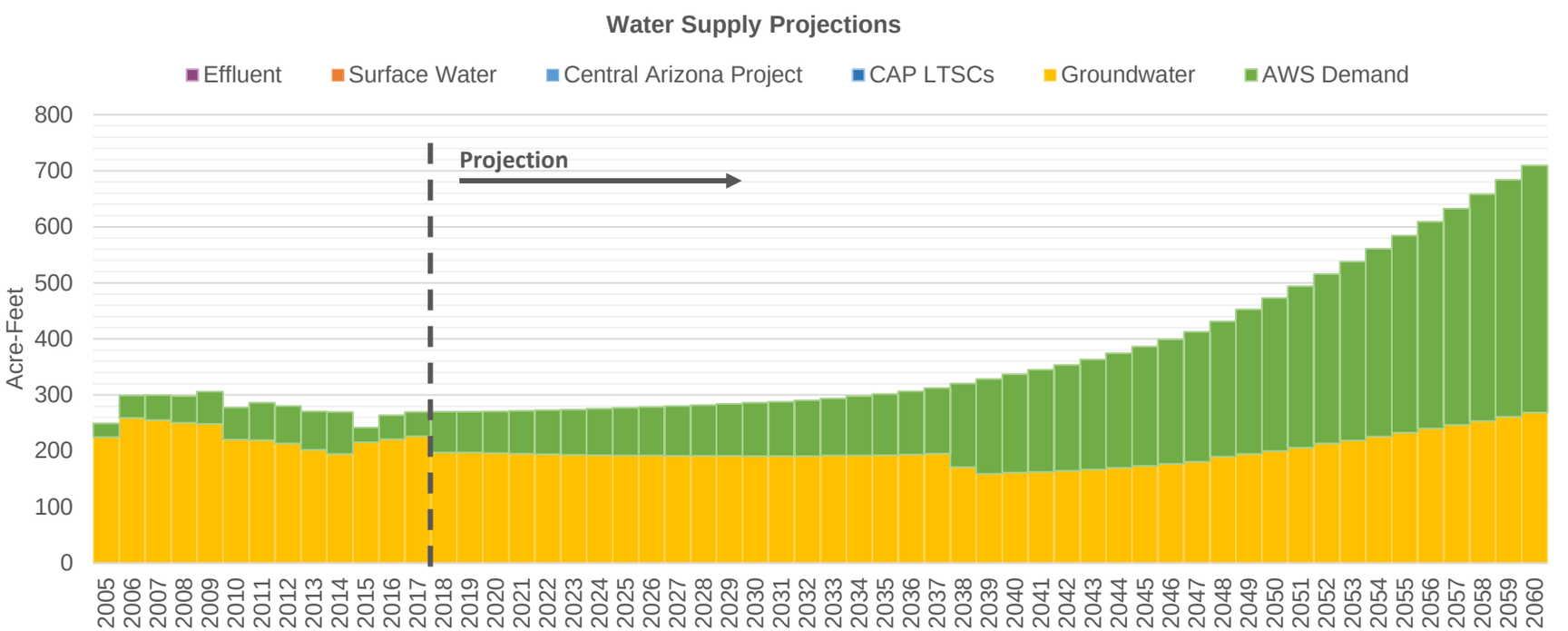
LosCerros

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

LosCerros

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

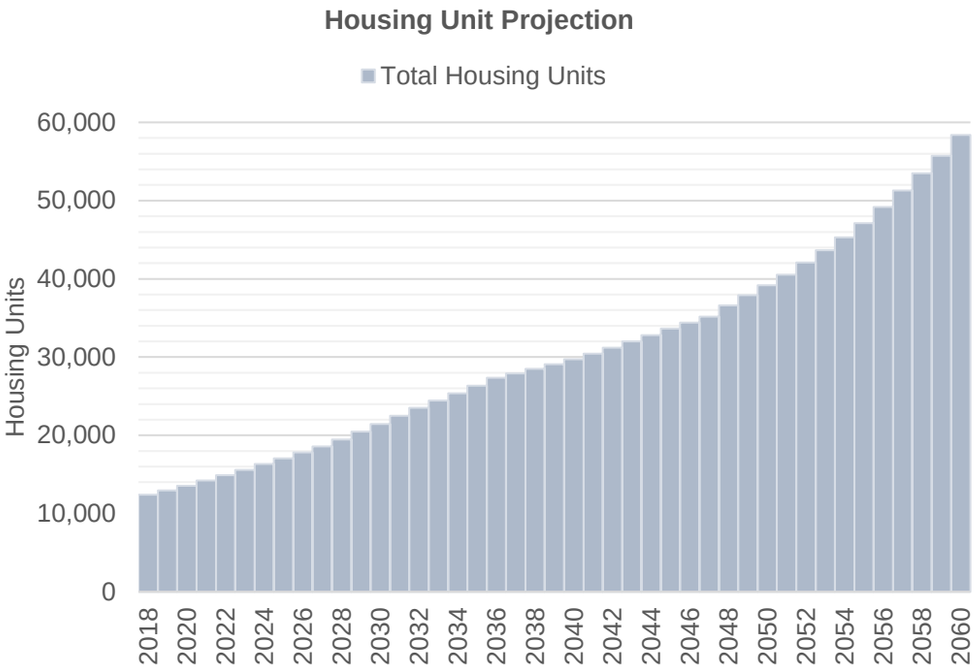
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

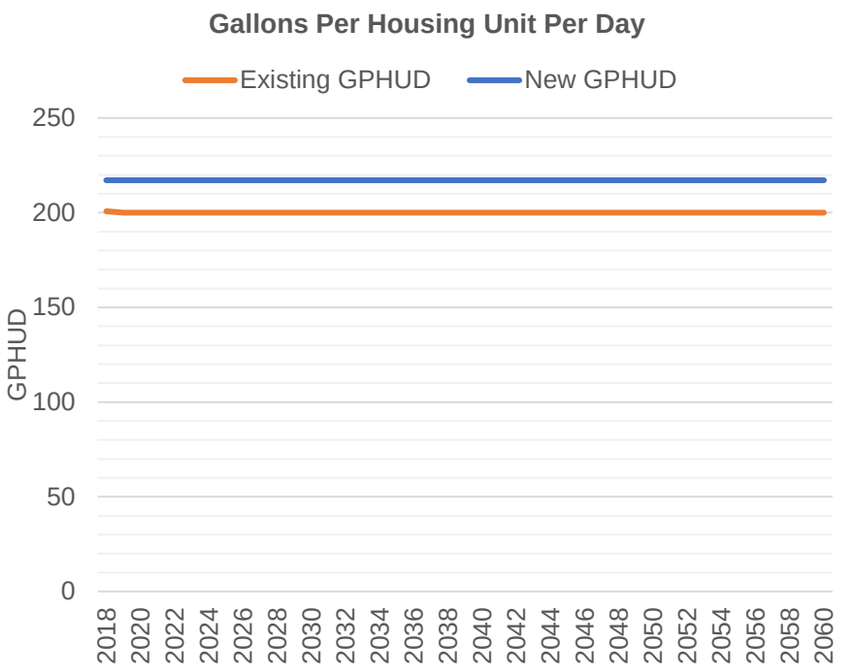
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	575	421	216	0	0	0	0	0	0	0	198	73
2019	582	419	216	0	0	0	0	0	0	0	197	73
2020	590	416	216	0	0	0	0	0	0	0	196	75
2021	599	415	216	0	0	0	0	0	0	0	195	77
2022	607	414	216	0	0	0	0	0	0	0	194	79
2023	616	412	216	0	0	0	0	0	0	0	193	81
2024	627	409	216	0	0	0	0	0	0	0	193	83
2025	638	409	216	0	0	0	0	0	0	0	192	85
2026	650	407	216	0	0	0	0	0	0	0	192	87
2027	661	406	216	0	0	0	0	0	0	0	192	89
2028	673	403	216	0	0	0	0	0	0	0	192	91
2029	686	402	216	0	0	0	0	0	0	0	191	93
2030	698	401	216	0	0	0	0	0	0	0	191	95
2031	711	399	216	0	0	0	0	0	0	0	191	97
2032	726	396	216	0	0	0	0	0	0	0	191	99
2033	747	396	216	0	0	0	0	0	0	0	192	102
2034	768	394	216	0	0	0	0	0	0	0	192	106
2035	790	393	216	0	0	0	0	0	0	0	193	109
2036	813	390	216	0	0	0	0	0	0	0	193	113
2037	849	390	216	0	0	0	0	0	0	0	195	117
2038	887	388	216	0	0	0	0	0	0	0	171	149
2039	925	387	216	0	0	0	0	0	0	0	159	169
2040	964	384	216	0	0	0	0	0	0	0	161	176
2041	1,002	383	216	0	0	0	0	0	0	0	163	182
2042	1,042	382	216	0	0	0	0	0	0	0	165	189
2043	1,089	380	216	0	0	0	0	0	0	0	167	196
2044	1,140	378	216	0	0	0	0	0	0	0	170	204
2045	1,193	378	216	0	0	0	0	0	0	0	173	213
2046	1,247	378	216	0	0	0	0	0	0	0	177	222
2047	1,302	378	216	0	0	0	0	0	0	0	181	232
2048	1,399	378	216	0	0	0	0	0	0	0	190	241
2049	1,485	378	216	0	0	0	0	0	0	0	195	258
2050	1,568	378	216	0	0	0	0	0	0	0	200	273
2051	1,654	378	216	0	0	0	0	0	0	0	206	288
2052	1,746	378	216	0	0	0	0	0	0	0	213	303
2053	1,840	378	216	0	0	0	0	0	0	0	219	319
2054	1,936	378	216	0	0	0	0	0	0	0	226	335
2055	2,035	378	216	0	0	0	0	0	0	0	232	352
2056	2,135	378	216	0	0	0	0	0	0	0	240	369
2057	2,239	378	216	0	0	0	0	0	0	0	246	386
2058	2,344	378	216	0	0	0	0	0	0	0	254	404
2059	2,453	378	216	0	0	0	0	0	0	0	261	423
2060	2,549	378	216	0	0	0	0	0	0	0	268	442

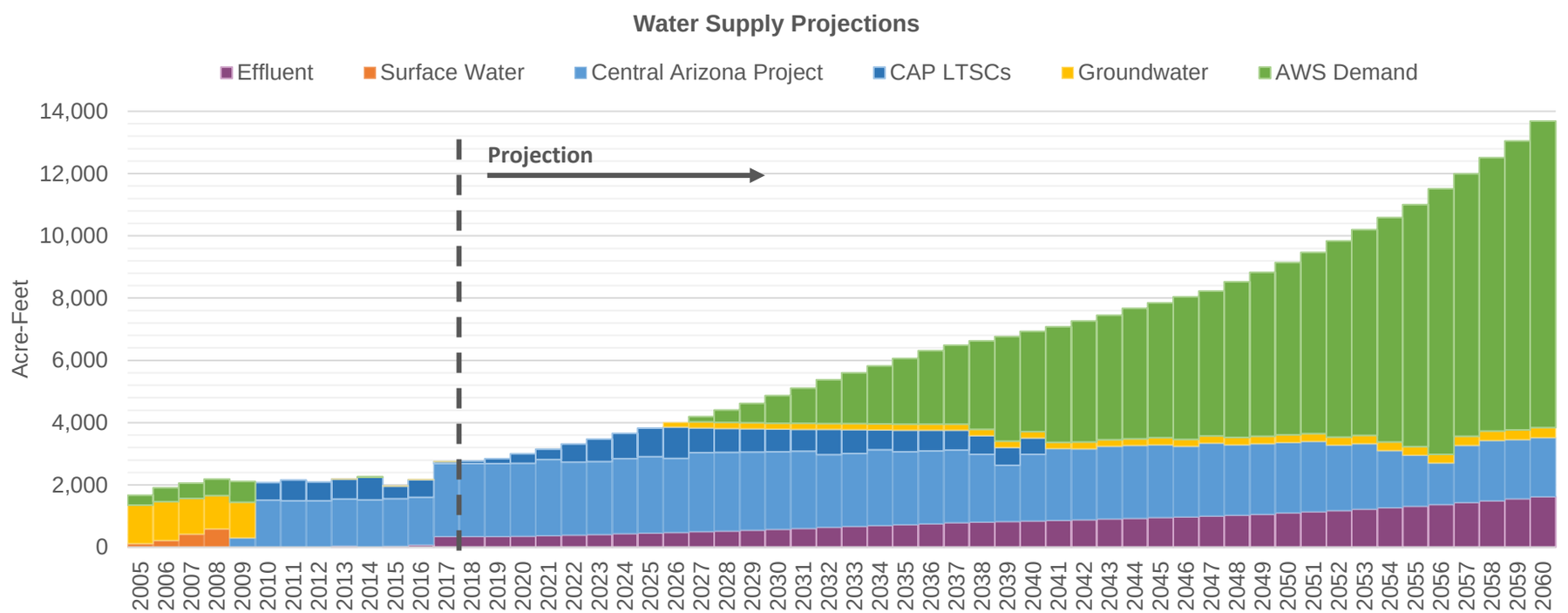
Central Arizona Project Service Area Model

Marana

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

Marana

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7/15/20 9:31 AM

Demand Assumptions

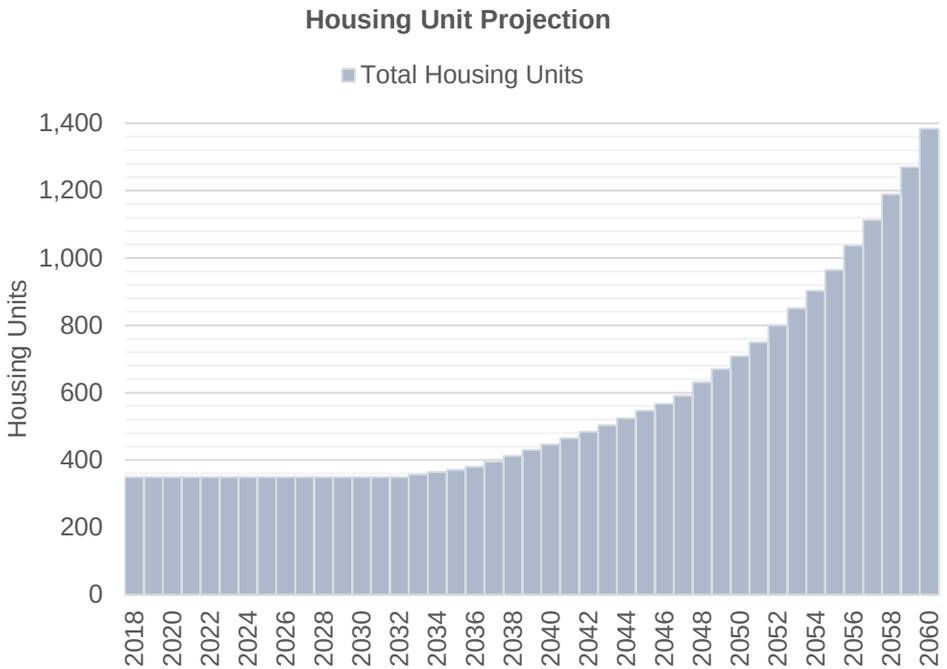
Water Supply Projections (Acre-Feet)

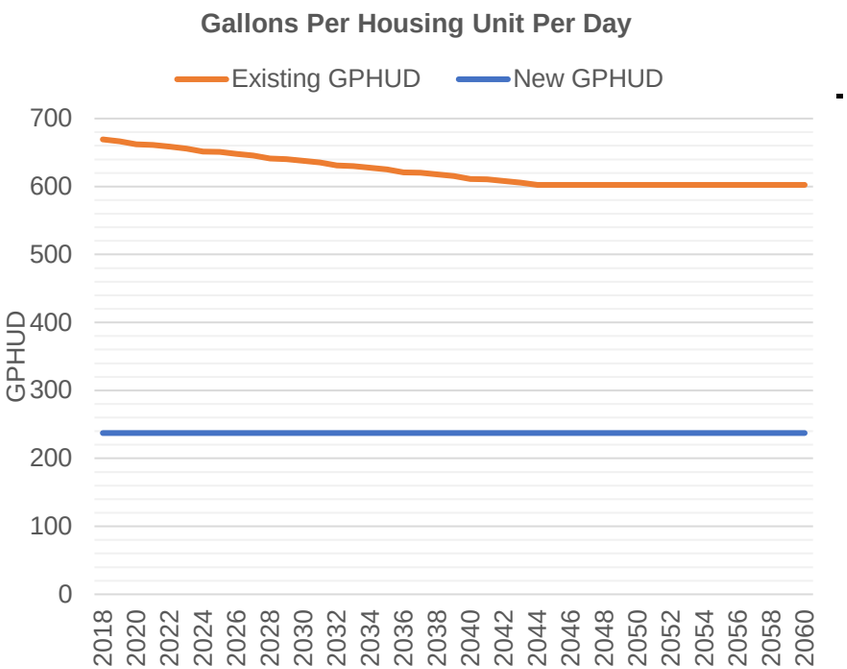
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	12,394	201	217	345	0	0	0	2,336	0	89	0	0
2019	12,942	200	217	345	0	0	0	2,336	0	166	0	0
2020	13,575	200	217	354	0	0	0	2,336	0	308	0	0
2021	14,237	200	217	373	0	0	0	2,444	0	330	0	0
2022	14,907	200	217	392	0	0	0	2,339	0	579	0	0
2023	15,596	200	217	412	0	0	0	2,336	0	727	0	0
2024	16,322	200	217	433	0	0	0	2,408	0	816	0	0
2025	17,063	200	217	455	0	0	0	2,456	0	915	0	0
2026	17,818	200	217	476	0	0	0	2,376	0	1,009	147	0
2027	18,590	200	217	499	0	0	0	2,536	0	798	195	165
2028	19,480	200	217	522	0	0	0	2,520	0	774	193	398
2029	20,463	200	217	549	0	0	0	2,505	0	751	192	627
2030	21,466	200	217	575	0	0	0	2,489	0	729	191	880
2031	22,491	200	217	605	0	0	0	2,474	0	707	191	1,134
2032	23,515	200	217	636	0	0	0	2,336	0	810	191	1,402
2033	24,443	200	217	669	0	0	0	2,342	0	764	191	1,631
2034	25,392	200	217	697	0	0	0	2,431	0	637	193	1,869
2035	26,361	200	217	725	0	0	0	2,336	0	700	194	2,104
2036	27,347	200	217	754	0	0	0	2,336	0	665	196	2,363
2037	27,915	200	217	786	0	0	0	2,336	0	632	198	2,534
2038	28,496	200	217	807	0	0	0	2,177	0	600	201	2,841
2039	29,090	200	217	825	0	0	0	1,808	0	570	204	3,362
2040	29,718	200	217	842	0	0	0	2,137	0	529	207	3,221
2041	30,449	200	217	863	0	0	0	2,300	0	0	210	3,709
2042	31,197	200	217	882	0	0	0	2,279	0	0	214	3,888
2043	31,993	200	217	904	0	0	0	2,336	0	0	217	3,993
2044	32,828	200	217	927	0	0	0	2,336	0	0	221	4,185
2045	33,662	200	217	955	0	0	0	2,336	0	0	225	4,336
2046	34,418	200	217	977	0	0	0	2,261	0	0	229	4,578
2047	35,192	200	217	1,001	0	0	0	2,336	0	0	233	4,660
2048	36,608	200	217	1,024	0	0	0	2,261	0	0	237	4,998
2049	37,922	200	217	1,061	0	0	0	2,261	0	0	242	5,266
2050	39,197	200	217	1,099	0	0	0	2,261	0	0	247	5,537
2051	40,542	200	217	1,138	0	0	0	2,261	0	0	252	5,811
2052	42,090	200	217	1,178	0	0	0	2,098	0	0	258	6,306
2053	43,677	200	217	1,225	0	0	0	2,098	0	0	264	6,608
2054	45,305	200	217	1,269	0	0	0	1,835	0	0	270	7,211
2055	47,136	200	217	1,318	0	0	0	1,633	0	0	277	7,779
2056	49,199	200	217	1,370	0	0	0	1,329	0	0	285	8,528
2057	51,317	200	217	1,433	0	0	0	1,835	0	0	292	8,428
2058	53,490	200	217	1,492	0	0	0	1,936	0	0	301	8,781
2059	55,720	200	217	1,557	0	0	0	1,896	0	0	310	9,283
2060	58,412	200	217	1,624	0	0	0	1,896	0	0	319	9,843

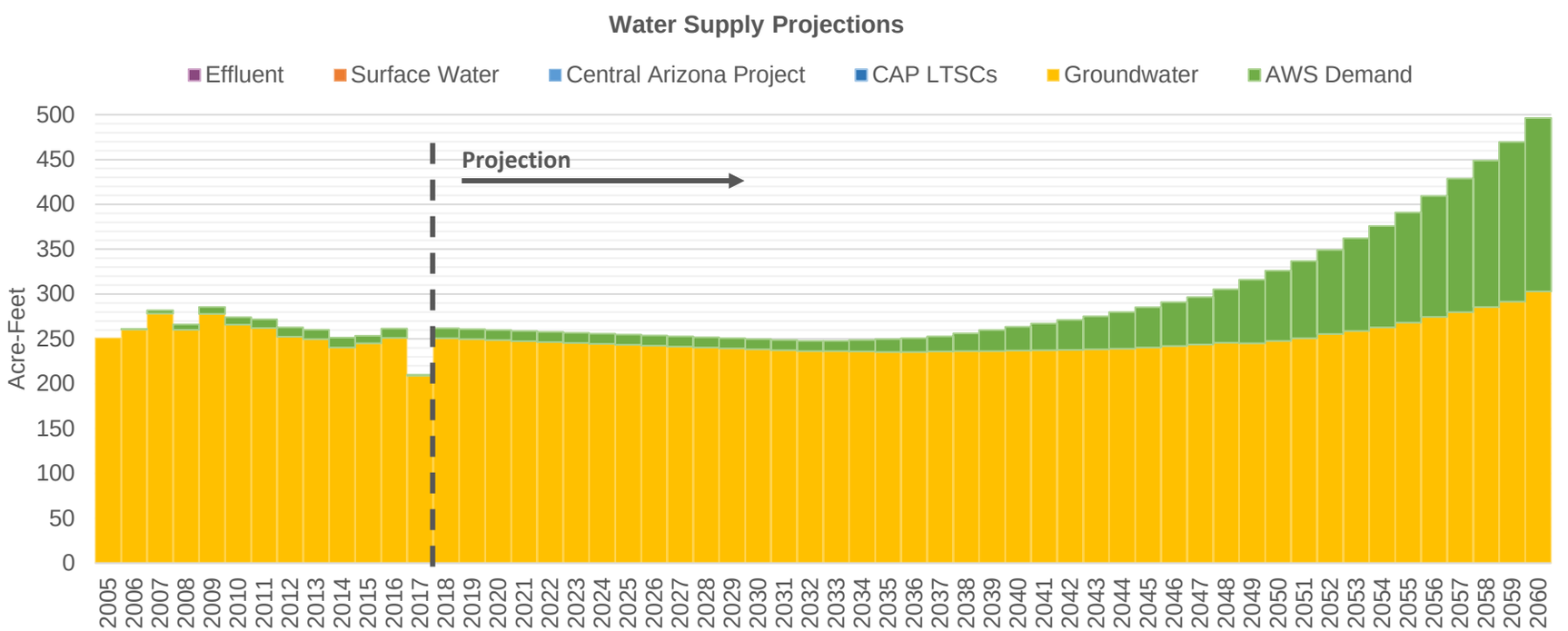
Central Arizona Project Service Area Model

MaranaDomestic

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MaranaDomesti

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

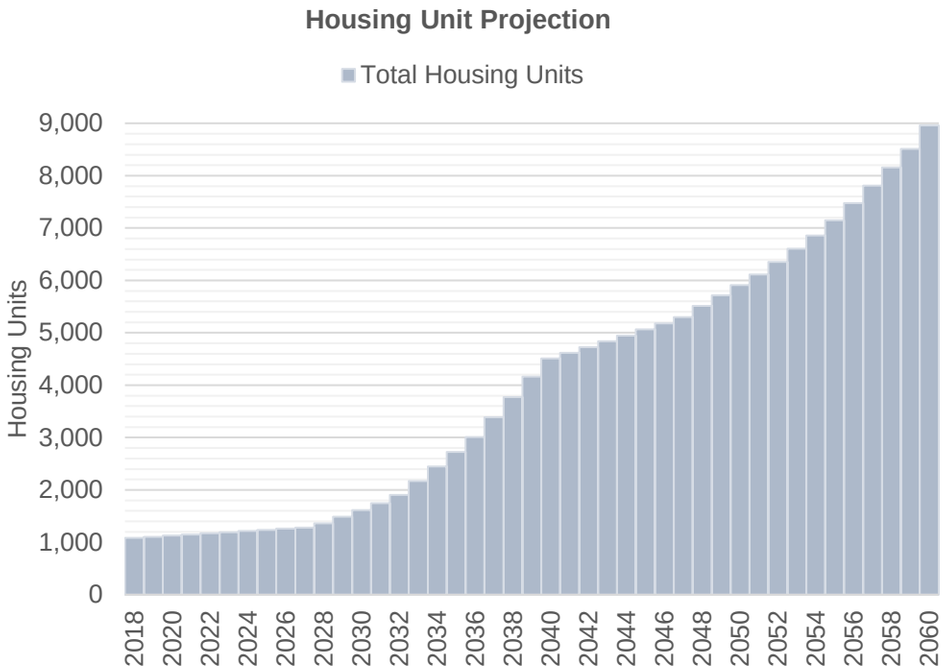
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

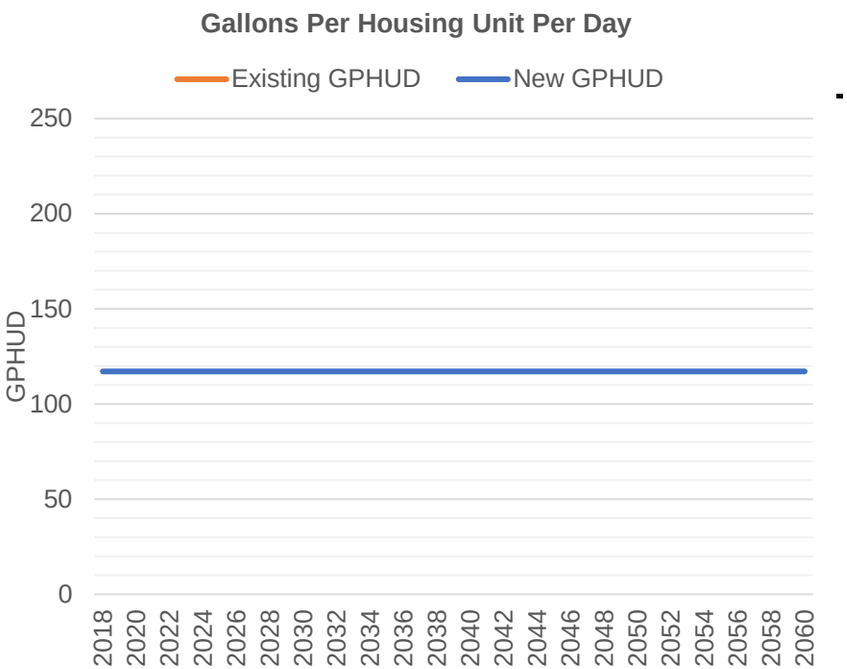
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	349	669	237	0	0	0	0	0	0	0	251	11
2019	349	667	237	0	0	0	0	0	0	0	250	11
2020	349	662	237	0	0	0	0	0	0	0	249	11
2021	349	661	237	0	0	0	0	0	0	0	248	11
2022	349	659	237	0	0	0	0	0	0	0	247	11
2023	349	656	237	0	0	0	0	0	0	0	246	11
2024	349	652	237	0	0	0	0	0	0	0	245	11
2025	349	651	237	0	0	0	0	0	0	0	243	11
2026	349	648	237	0	0	0	0	0	0	0	242	11
2027	349	646	237	0	0	0	0	0	0	0	241	11
2028	349	641	237	0	0	0	0	0	0	0	240	11
2029	349	640	237	0	0	0	0	0	0	0	239	11
2030	349	638	237	0	0	0	0	0	0	0	238	11
2031	349	635	237	0	0	0	0	0	0	0	237	11
2032	349	631	237	0	0	0	0	0	0	0	236	11
2033	357	630	237	0	0	0	0	0	0	0	237	11
2034	364	628	237	0	0	0	0	0	0	0	236	13
2035	371	625	237	0	0	0	0	0	0	0	236	14
2036	379	621	237	0	0	0	0	0	0	0	235	15
2037	395	620	237	0	0	0	0	0	0	0	236	17
2038	412	618	237	0	0	0	0	0	0	0	236	20
2039	429	615	237	0	0	0	0	0	0	0	237	23
2040	446	611	237	0	0	0	0	0	0	0	237	27
2041	465	610	237	0	0	0	0	0	0	0	237	30
2042	483	608	237	0	0	0	0	0	0	0	238	33
2043	503	606	237	0	0	0	0	0	0	0	238	37
2044	524	602	237	0	0	0	0	0	0	0	239	41
2045	546	602	237	0	0	0	0	0	0	0	240	45
2046	567	602	237	0	0	0	0	0	0	0	242	49
2047	590	602	237	0	0	0	0	0	0	0	244	53
2048	631	602	237	0	0	0	0	0	0	0	246	60
2049	670	602	237	0	0	0	0	0	0	0	245	71
2050	708	602	237	0	0	0	0	0	0	0	248	78
2051	749	602	237	0	0	0	0	0	0	0	251	86
2052	799	602	237	0	0	0	0	0	0	0	255	94
2053	850	602	237	0	0	0	0	0	0	0	259	103
2054	902	602	237	0	0	0	0	0	0	0	263	113
2055	964	602	237	0	0	0	0	0	0	0	268	123
2056	1,037	602	237	0	0	0	0	0	0	0	275	135
2057	1,112	602	237	0	0	0	0	0	0	0	280	149
2058	1,189	602	237	0	0	0	0	0	0	0	286	163
2059	1,269	602	237	0	0	0	0	0	0	0	292	178
2060	1,383	602	237	0	0	0	0	0	0	0	303	193

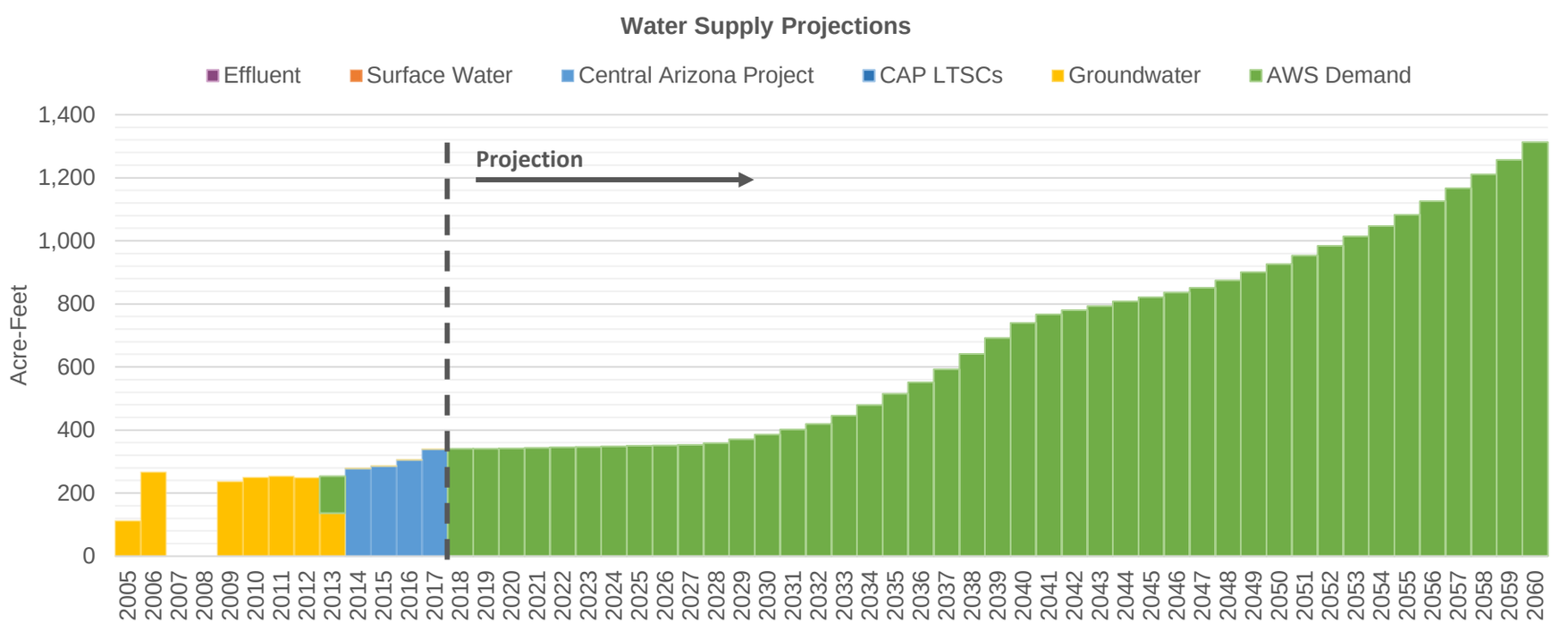
Central Arizona Project Service Area Model

MetroDiablo

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroDiablo

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

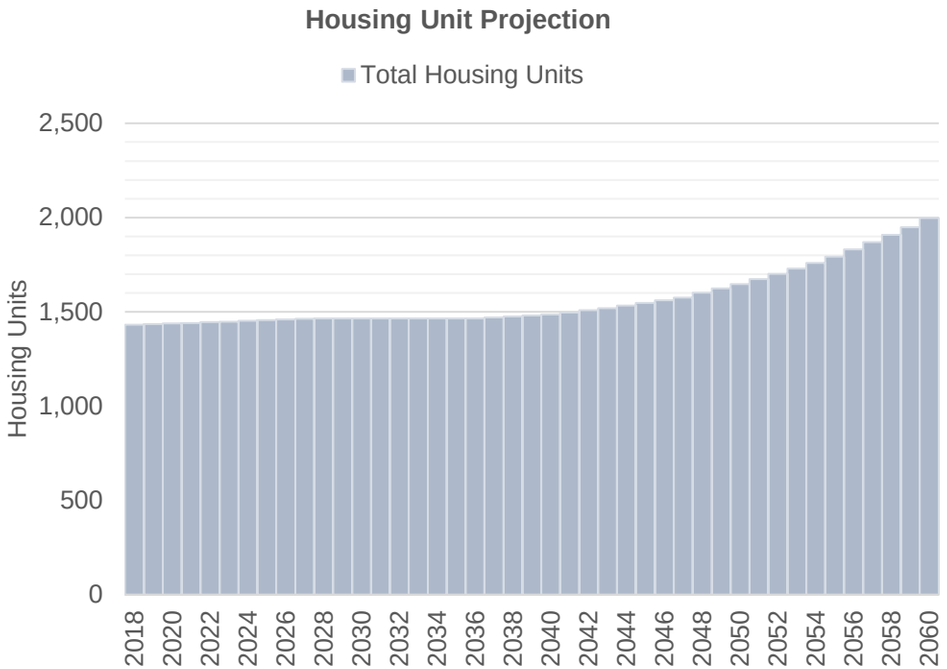
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

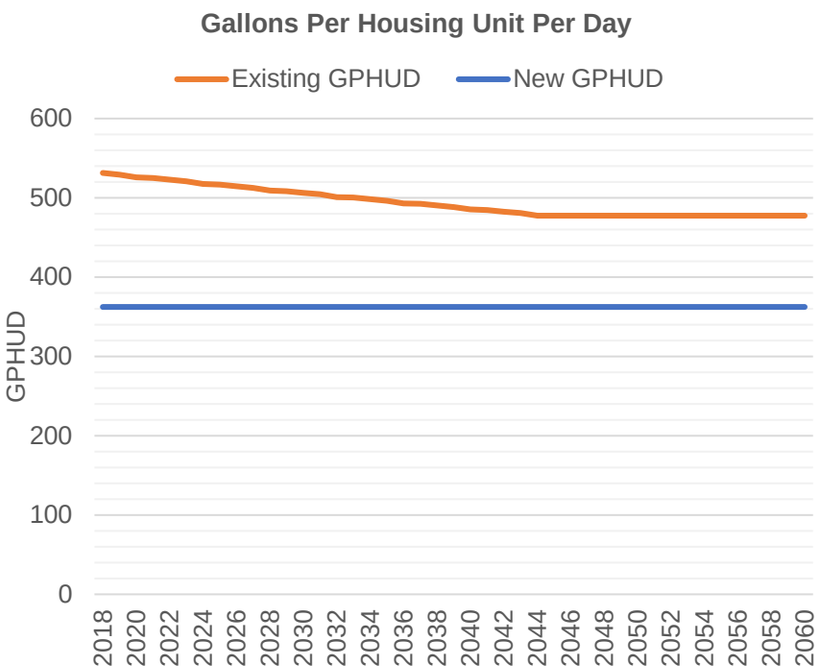
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,087	281	117	0	0	0	0	0	0	0	0	340
2019	1,106	280	117	0	0	0	0	0	0	0	0	341
2020	1,127	278	117	0	0	0	0	0	0	0	0	342
2021	1,149	277	117	0	0	0	0	0	0	0	0	343
2022	1,172	276	117	0	0	0	0	0	0	0	0	345
2023	1,194	275	117	0	0	0	0	0	0	0	0	347
2024	1,216	273	117	0	0	0	0	0	0	0	0	348
2025	1,238	273	117	0	0	0	0	0	0	0	0	350
2026	1,260	272	117	0	0	0	0	0	0	0	0	351
2027	1,283	271	117	0	0	0	0	0	0	0	0	353
2028	1,365	269	117	0	0	0	0	0	0	0	0	359
2029	1,490	269	117	0	0	0	0	0	0	0	0	371
2030	1,618	267	117	0	0	0	0	0	0	0	0	386
2031	1,749	266	117	0	0	0	0	0	0	0	0	402
2032	1.903	265	117	0	0	0	0	0	0	0	0	419
2033	2,171	264	117	0	0	0	0	0	0	0	0	446
2034	2,445	263	117	0	0	0	0	0	0	0	0	480
2035	2,725	262	117	0	0	0	0	0	0	0	0	515
2036	3,012	260	117	0	0	0	0	0	0	0	0	551
2037	3,388	260	117	0	0	0	0	0	0	0	0	593
2038	3,773	259	117	0	0	0	0	0	0	0	0	642
2039	4,167	258	117	0	0	0	0	0	0	0	0	691
2040	4,514	256	117	0	0	0	0	0	0	0	0	740
2041	4,620	256	117	0	0	0	0	0	0	0	0	767
2042	4,728	255	117	0	0	0	0	0	0	0	0	780
2043	4,838	254	117	0	0	0	0	0	0	0	0	793
2044	4,949	253	117	0	0	0	0	0	0	0	0	808
2045	5,063	253	117	0	0	0	0	0	0	0	0	821
2046	5,179	253	117	0	0	0	0	0	0	0	0	836
2047	5,298	253	117	0	0	0	0	0	0	0	0	851
2048	5,513	253	117	0	0	0	0	0	0	0	0	875
2049	5,714	253	117	0	0	0	0	0	0	0	0	901
2050	5,909	253	117	0	0	0	0	0	0	0	0	927
2051	6,116	253	117	0	0	0	0	0	0	0	0	953
2052	6,356	253	117	0	0	0	0	0	0	0	0	984
2053	6,603	253	117	0	0	0	0	0	0	0	0	1,014
2054	6,857	253	117	0	0	0	0	0	0	0	0	1,047
2055	7,145	253	117	0	0	0	0	0	0	0	0	1,083
2056	7,473	253	117	0	0	0	0	0	0	0	0	1,125
2057	7,809	253	117	0	0	0	0	0	0	0	0	1,167
2058	8,155	253	117	0	0	0	0	0	0	0	0	1,211
2059	8,509	253	117	0	0	0	0	0	0	0	0	1,257
2060	8,959	253	117	0	0	0	0	0	0	0	0	1,313

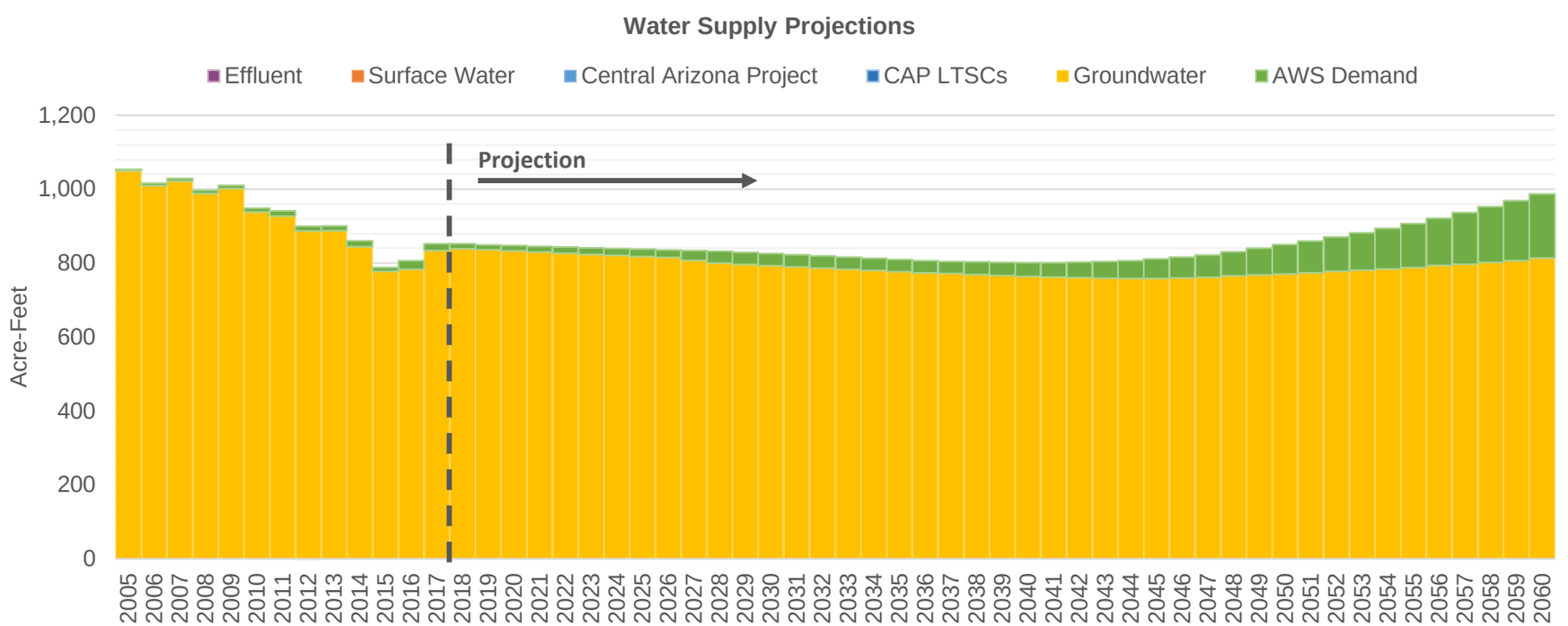
MetroHub

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroHub

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

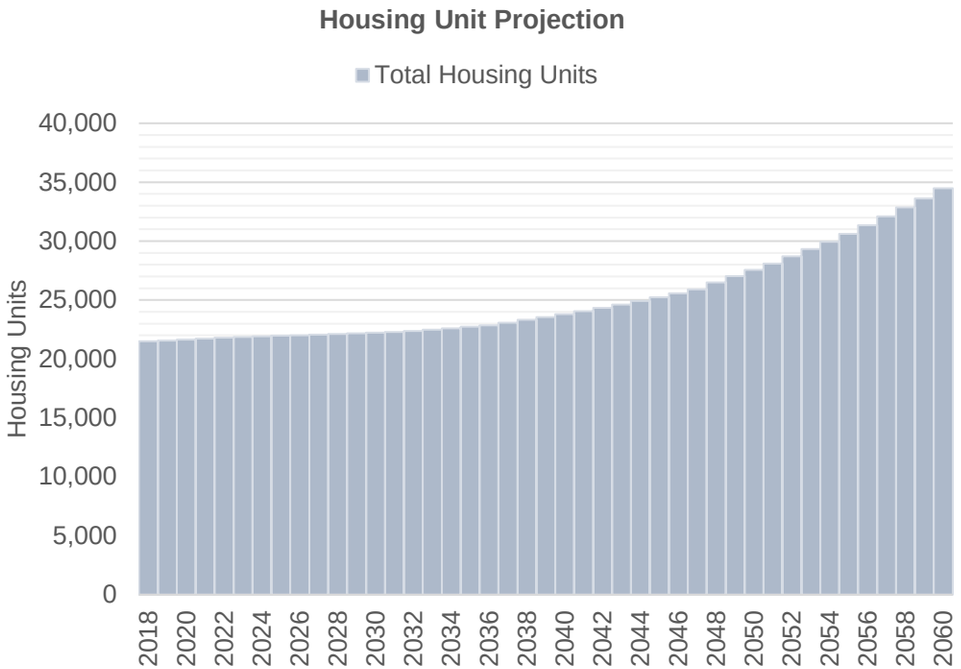
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

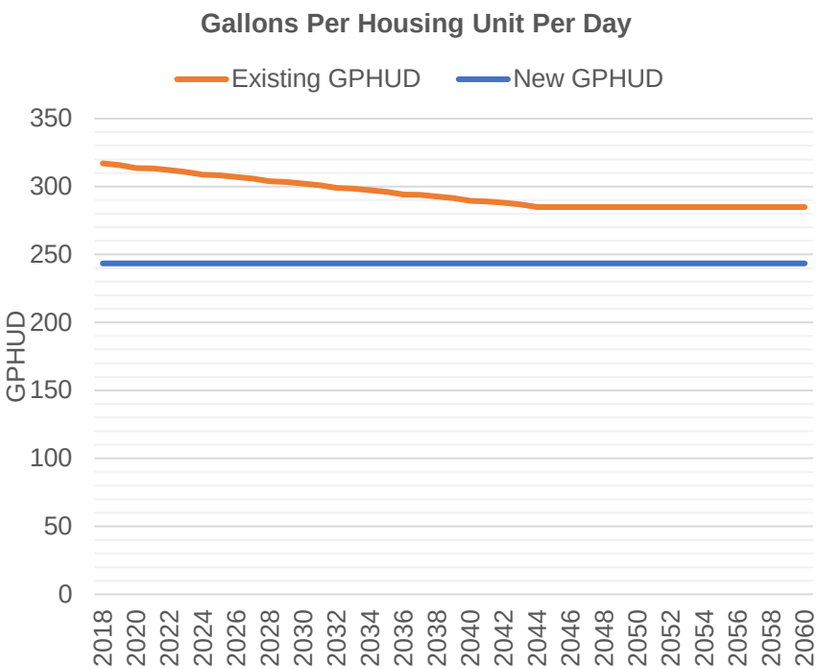
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,432	531	362	0	0	0	0	0	0	0	839	13
2019	1,435	529	362	0	0	0	0	0	0	0	836	13
2020	1,438	526	362	0	0	0	0	0	0	0	833	14
2021	1,441	525	362	0	0	0	0	0	0	0	830	15
2022	1,445	523	362	0	0	0	0	0	0	0	827	16
2023	1,448	521	362	0	0	0	0	0	0	0	824	17
2024	1,452	517	362	0	0	0	0	0	0	0	821	18
2025	1,456	517	362	0	0	0	0	0	0	0	818	20
2026	1,460	515	362	0	0	0	0	0	0	0	815	21
2027	1,464	513	362	0	0	0	0	0	0	0	807	27
2028	1,465	509	362	0	0	0	0	0	0	0	800	32
2029	1,465	509	362	0	0	0	0	0	0	0	797	32
2030	1,465	506	362	0	0	0	0	0	0	0	793	32
2031	1,465	504	362	0	0	0	0	0	0	0	790	32
2032	1,465	501	362	0	0	0	0	0	0	0	787	32
2033	1,465	500	362	0	0	0	0	0	0	0	784	32
2034	1,465	498	362	0	0	0	0	0	0	0	780	32
2035	1,465	496	362	0	0	0	0	0	0	0	777	32
2036	1,465	493	362	0	0	0	0	0	0	0	774	32
2037	1,470	492	362	0	0	0	0	0	0	0	772	32
2038	1,475	490	362	0	0	0	0	0	0	0	769	34
2039	1,480	489	362	0	0	0	0	0	0	0	767	35
2040	1,486	485	362	0	0	0	0	0	0	0	764	37
2041	1,497	485	362	0	0	0	0	0	0	0	763	39
2042	1,508	483	362	0	0	0	0	0	0	0	761	42
2043	1,520	481	362	0	0	0	0	0	0	0	759	45
2044	1,534	478	362	0	0	0	0	0	0	0	758	48
2045	1,547	478	362	0	0	0	0	0	0	0	759	53
2046	1,561	478	362	0	0	0	0	0	0	0	760	56
2047	1,575	478	362	0	0	0	0	0	0	0	762	60
2048	1,601	478	362	0	0	0	0	0	0	0	766	65
2049	1,625	478	362	0	0	0	0	0	0	0	768	72
2050	1,648	478	362	0	0	0	0	0	0	0	771	79
2051	1,673	478	362	0	0	0	0	0	0	0	774	86
2052	1,701	478	362	0	0	0	0	0	0	0	778	93
2053	1,730	478	362	0	0	0	0	0	0	0	781	101
2054	1,760	478	362	0	0	0	0	0	0	0	784	110
2055	1,793	478	362	0	0	0	0	0	0	0	788	119
2056	1,831	478	362	0	0	0	0	0	0	0	793	128
2057	1,869	478	362	0	0	0	0	0	0	0	797	139
2058	1,909	478	362	0	0	0	0	0	0	0	802	151
2059	1,949	478	362	0	0	0	0	0	0	0	807	162
2060	1,998	478	362	0	0	0	0	0	0	0	814	174

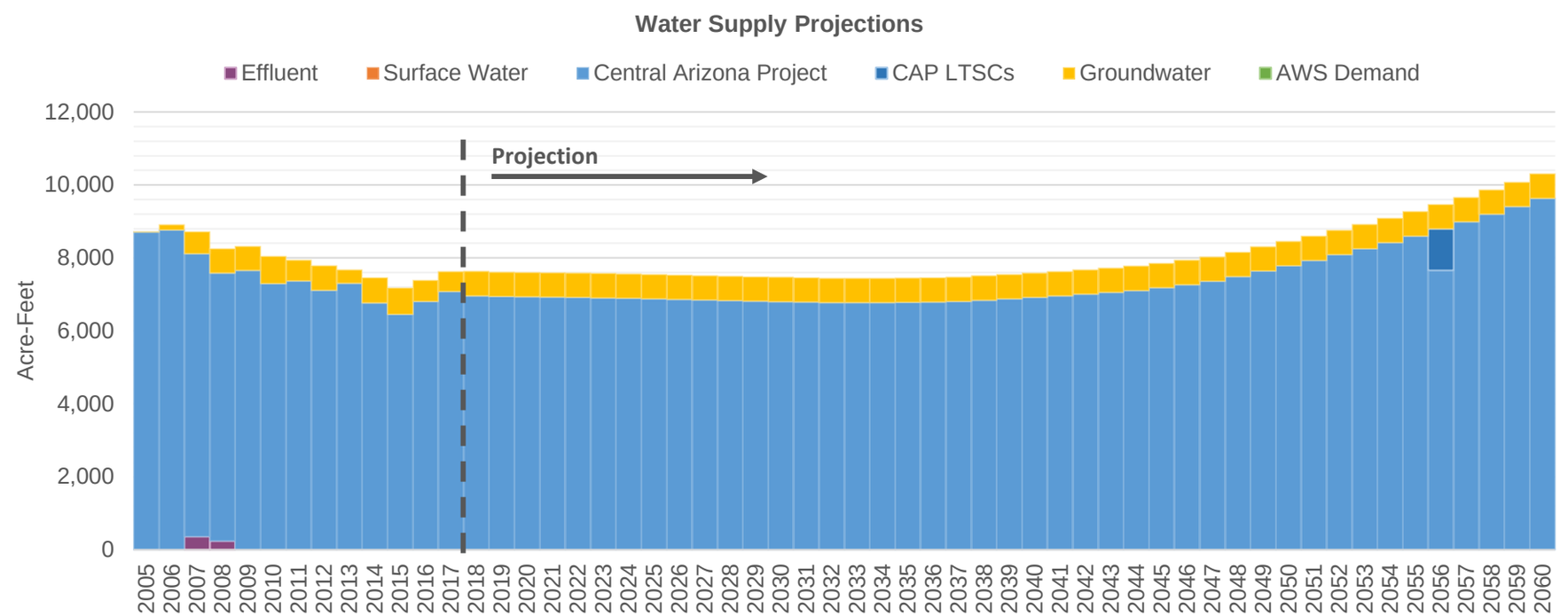
Central Arizona Project Service Area Model

MetroMain

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroMain

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

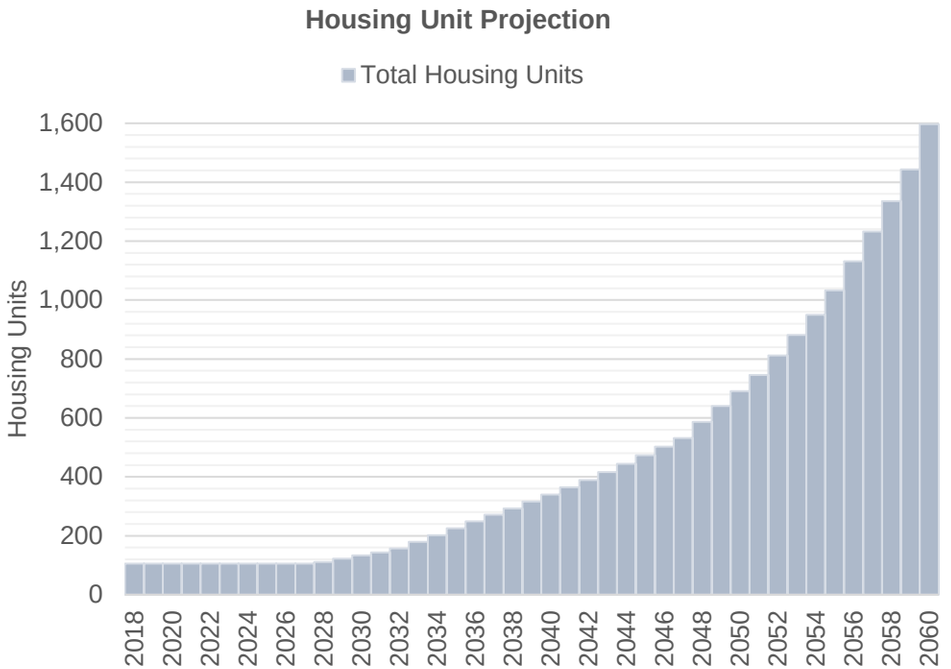
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

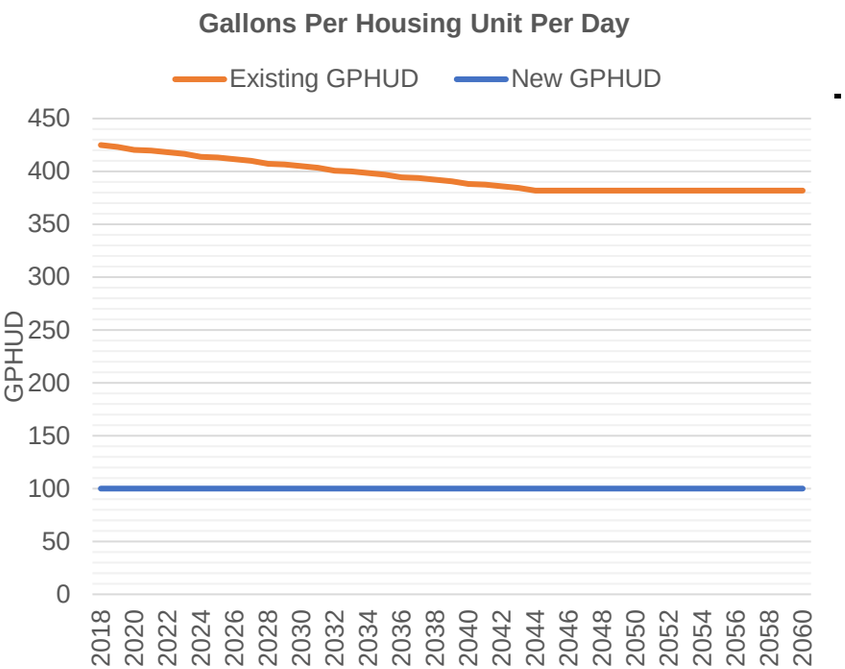
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	21,497	317	243	0	0	0	0	6,962	6,498	0	668	0
2019	21,564	316	243	0	0	0	0	6,943	6,517	0	668	0
2020	21,640	314	243	0	0	0	0	6,933	6,527	0	668	0
2021	21,720	313	243	0	0	0	0	6,924	6,536	0	668	0
2022	21,802	312	243	0	0	0	0	6,916	6,544	0	668	0
2023	21,873	311	243	0	0	0	0	6,906	6,554	0	668	0
2024	21,922	309	243	0	0	0	0	6,893	6,567	0	668	0
2025	21,972	308	243	0	0	0	0	6,877	6,583	0	668	0
2026	22,023	307	243	0	0	0	0	6,861	6,599	0	668	0
2027	22,075	306	243	0	0	0	0	6,845	6,615	0	668	0
2028	22,129	304	243	0	0	0	0	6,831	6,629	0	668	0
2029	22,183	303	243	0	0	0	0	6,816	6,644	0	668	0
2030	22,239	302	243	0	0	0	0	6,801	6,659	0	668	0
2031	22,296	301	243	0	0	0	0	6,788	6,672	0	668	0
2032	22,364	299	243	0	0	0	0	6,776	6,684	0	668	0
2033	22,483	299	243	0	0	0	0	6,772	6,688	0	668	0
2034	22,605	297	243	0	0	0	0	6,777	6,683	0	668	0
2035	22,729	296	243	0	0	0	0	6,782	6,678	0	668	0
2036	22,857	294	243	0	0	0	0	6,788	6,672	0	668	0
2037	23,085	294	243	0	0	0	0	6,808	6,652	0	668	0
2038	23,318	293	243	0	0	0	0	6,842	5,699	0	668	0
2039	23,557	291	243	0	0	0	0	6,878	3,538	0	668	0
2040	23,803	289	243	0	0	0	0	6,918	5,394	0	668	0
2041	24,069	289	243	0	0	0	0	6,958	6,291	0	668	0
2042	24,341	288	243	0	0	0	0	7,004	6,126	0	668	0
2043	24,627	287	243	0	0	0	0	7,052	6,408	0	668	0
2044	24,926	285	243	0	0	0	0	7,107	6,353	0	668	0
2045	25,236	285	243	0	0	0	0	7,179	6,281	0	668	0
2046	25,566	285	243	0	0	0	0	7,267	5,758	0	668	0
2047	25,904	285	243	0	0	0	0	7,358	6,102	0	668	0
2048	26,499	285	243	0	0	0	0	7,489	5,537	0	668	0
2049	27,040	285	243	0	0	0	0	7,640	5,385	0	668	0
2050	27,561	285	243	0	0	0	0	7,785	5,240	0	668	0
2051	28,105	285	243	0	0	0	0	7,930	5,095	0	668	0
2052	28,706	285	243	0	0	0	0	8,091	4,000	0	668	0
2053	29,322	285	243	0	0	0	0	8,252	3,839	0	668	0
2054	29,954	285	243	0	0	0	0	8,422	2,152	0	668	0
2055	30,628	285	243	0	0	0	0	8,600	806	0	668	0
2056	31,350	285	243	0	0	0	0	7,656	0	1,142	668	0
2057	32,091	285	243	0	0	0	0	8,990	1,584	0	668	0
2058	32,851	285	243	0	0	0	0	9,195	1,963	0	668	0
2059	33,631	285	243	0	0	0	0	9,405	1,519	0	668	0
2060	34,480	285	243	0	0	0	0	9,636	1,288	0	668	0

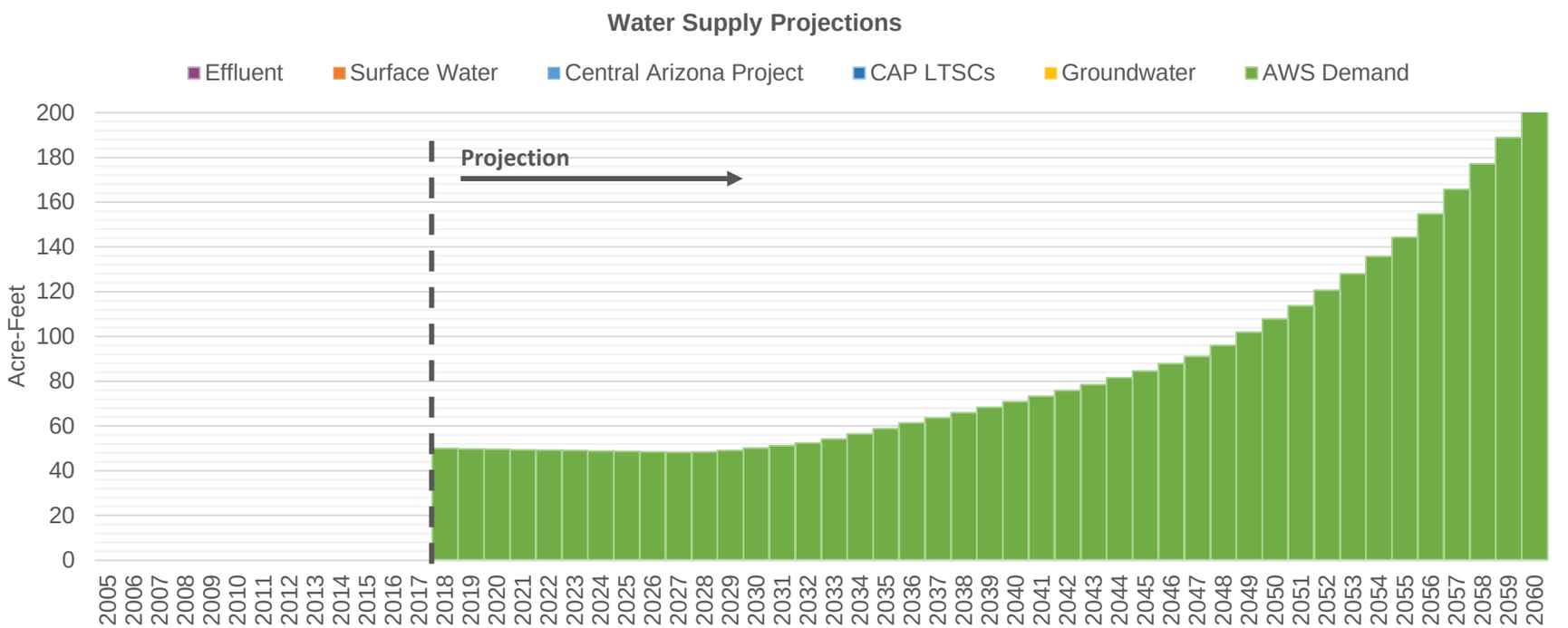
Central Arizona Project Service Area Model

MetroWest

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

MetroWest

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

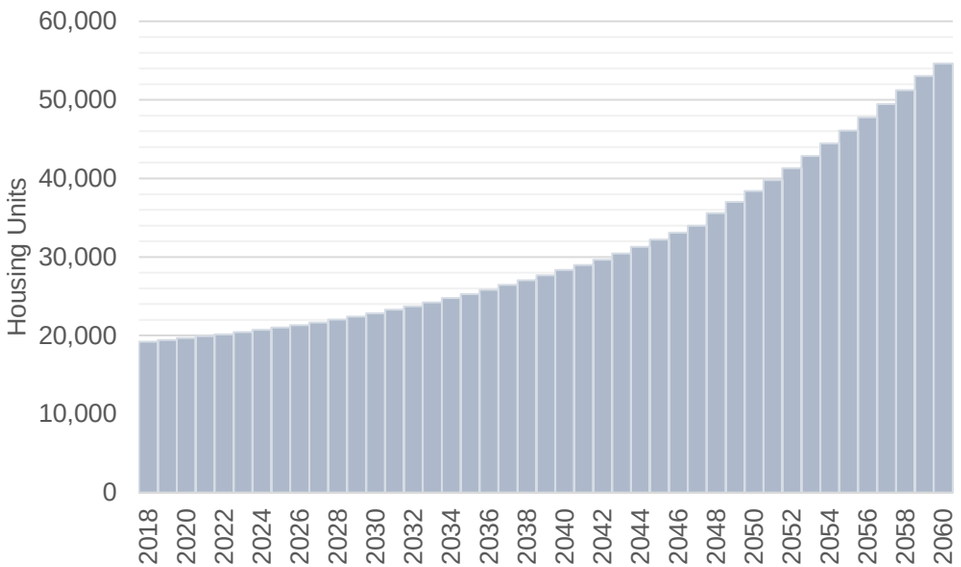
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	105	425	100	0	0	0	0	0	0	0	0	50
2019	105	423	100	0	0	0	0	0	0	0	0	50
2020	105	420	100	0	0	0	0	0	0	0	0	50
2021	105	420	100	0	0	0	0	0	0	0	0	49
2022	105	418	100	0	0	0	0	0	0	0	0	49
2023	105	417	100	0	0	0	0	0	0	0	0	49
2024	105	414	100	0	0	0	0	0	0	0	0	49
2025	105	413	100	0	0	0	0	0	0	0	0	49
2026	105	412	100	0	0	0	0	0	0	0	0	48
2027	105	410	100	0	0	0	0	0	0	0	0	48
2028	111	407	100	0	0	0	0	0	0	0	0	48
2029	122	407	100	0	0	0	0	0	0	0	0	49
2030	133	405	100	0	0	0	0	0	0	0	0	50
2031	144	403	100	0	0	0	0	0	0	0	0	51
2032	157	401	100	0	0	0	0	0	0	0	0	52
2033	179	400	100	0	0	0	0	0	0	0	0	54
2034	202	399	100	0	0	0	0	0	0	0	0	56
2035	225	397	100	0	0	0	0	0	0	0	0	59
2036	249	394	100	0	0	0	0	0	0	0	0	61
2037	271	394	100	0	0	0	0	0	0	0	0	64
2038	293	392	100	0	0	0	0	0	0	0	0	66
2039	316	391	100	0	0	0	0	0	0	0	0	68
2040	340	388	100	0	0	0	0	0	0	0	0	71
2041	364	388	100	0	0	0	0	0	0	0	0	73
2042	389	386	100	0	0	0	0	0	0	0	0	76
2043	416	384	100	0	0	0	0	0	0	0	0	79
2044	444	382	100	0	0	0	0	0	0	0	0	82
2045	473	382	100	0	0	0	0	0	0	0	0	85
2046	502	382	100	0	0	0	0	0	0	0	0	88
2047	532	382	100	0	0	0	0	0	0	0	0	91
2048	587	382	100	0	0	0	0	0	0	0	0	96
2049	640	382	100	0	0	0	0	0	0	0	0	102
2050	691	382	100	0	0	0	0	0	0	0	0	108
2051	746	382	100	0	0	0	0	0	0	0	0	114
2052	812	382	100	0	0	0	0	0	0	0	0	121
2053	881	382	100	0	0	0	0	0	0	0	0	128
2054	950	382	100	0	0	0	0	0	0	0	0	136
2055	1,033	382	100	0	0	0	0	0	0	0	0	144
2056	1,132	382	100	0	0	0	0	0	0	0	0	155
2057	1,233	382	100	0	0	0	0	0	0	0	0	166
2058	1,336	382	100	0	0	0	0	0	0	0	0	177
2059	1,443	382	100	0	0	0	0	0	0	0	0	189
2060	1,597	382	100	0	0	0	0	0	0	0	0	204

OroValley

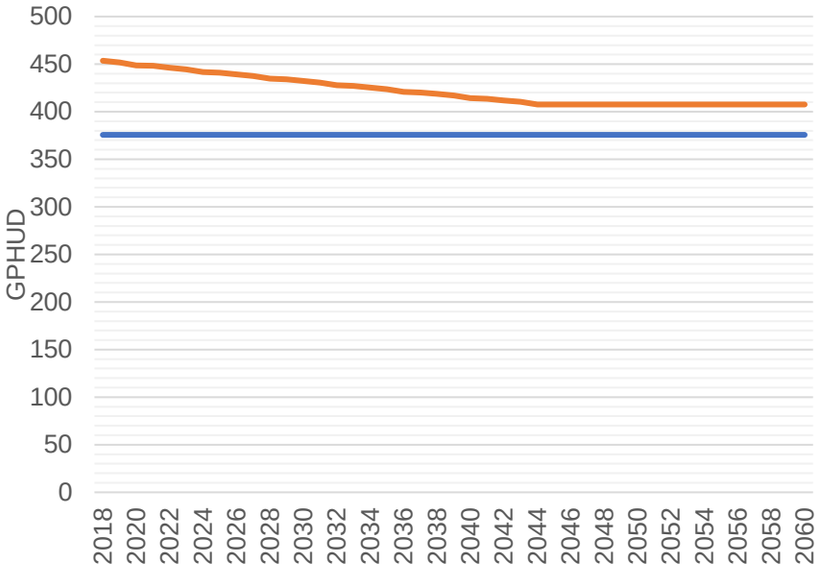
Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]

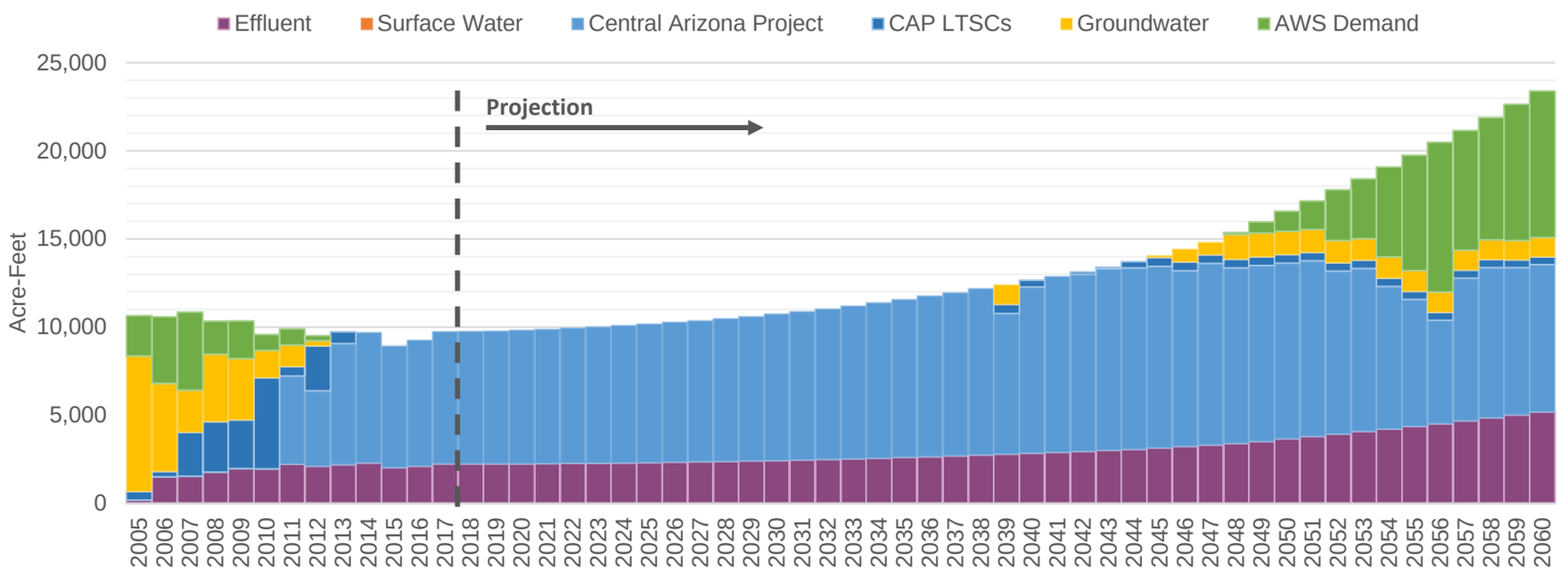
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

OroValley

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

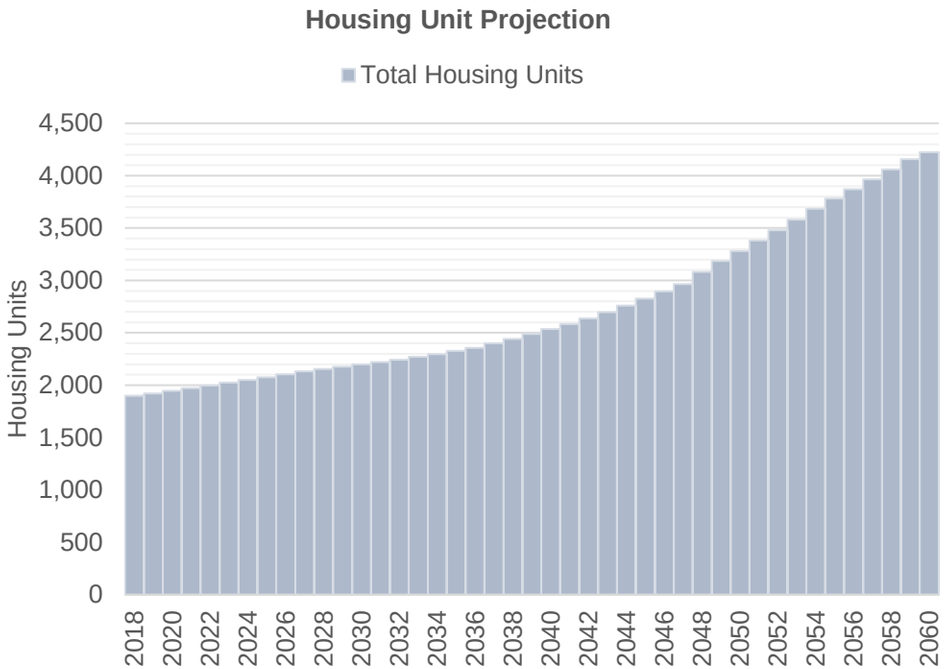
Demand Assumptions **Water Supply Projections** (Acre-Feet)

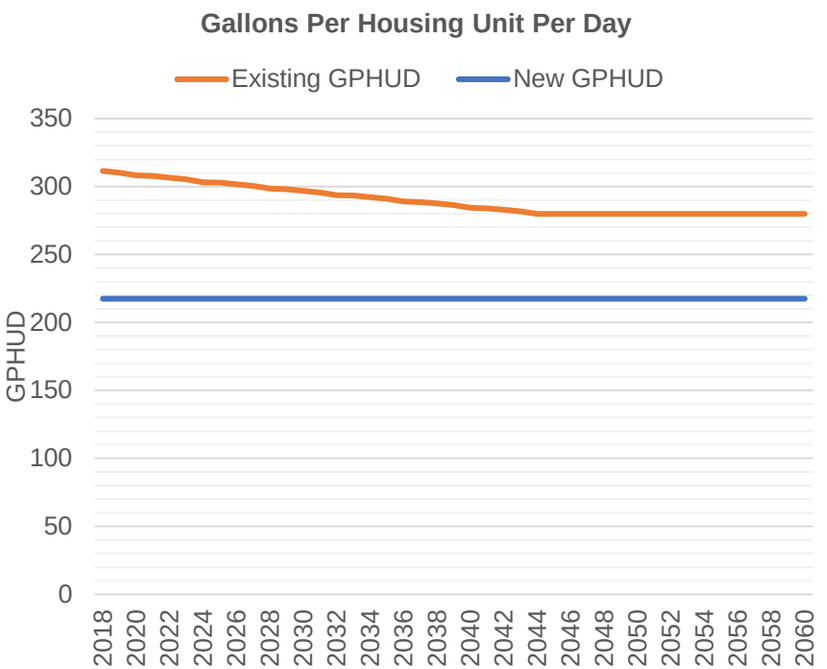
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	19,239	454	376	2,232	0	0	0	7,524	2,781	0	0	0
2019	19,441	452	376	2,232	0	0	0	7,541	2,764	0	0	0
2020	19,675	449	376	2,236	0	0	0	7,591	2,714	0	0	0
2021	19,919	448	376	2,248	0	0	0	7,640	2,665	0	0	0
2022	20,166	446	376	2,262	0	0	0	7,691	2,614	0	0	0
2023	20,430	445	376	2,277	0	0	0	7,745	2,560	0	0	0
2024	20,727	442	376	2,293	0	0	0	7,811	2,494	0	0	0
2025	21,029	441	376	2,311	0	0	0	7,879	2,426	0	0	0
2026	21,338	439	376	2,331	0	0	0	7,949	2,356	0	0	0
2027	21,653	438	376	2,352	0	0	0	8,022	2,283	0	0	0
2028	22,023	435	376	2,373	0	0	0	8,111	2,194	0	0	0
2029	22,434	434	376	2,398	0	0	0	8,209	2,096	0	0	0
2030	22,854	432	376	2,427	0	0	0	8,318	1,987	0	0	0
2031	23,283	431	376	2,458	0	0	0	8,428	1,877	0	0	0
2032	23,731	428	376	2,491	0	0	0	8,548	1,757	0	0	0
2033	24,242	427	376	2,525	0	0	0	8,674	1,631	0	0	0
2034	24,764	425	376	2,562	0	0	0	8,818	1,487	0	0	0
2035	25,297	424	376	2,603	0	0	0	8,962	1,343	0	0	0
2036	25,843	421	376	2,646	0	0	0	9,117	1,188	0	0	0
2037	26,446	420	376	2,691	0	0	0	9,270	1,035	0	0	0
2038	27,062	419	376	2,736	0	0	0	9,446	156	0	0	0
2039	27,693	417	376	2,787	0	0	0	7,975	0	519	1,128	0
2040	28,337	414	376	2,839	0	0	0	9,426	0	385	0	0
2041	28,988	414	376	2,894	0	0	0	9,983	161	0	0	0
2042	29,654	412	376	2,946	0	0	0	10,052	0	120	0	0
2043	30,438	410	376	3,001	0	0	0	10,305	0	82	0	0
2044	31,312	408	376	3,063	0	0	0	10,305	0	348	0	0
2045	32,202	408	376	3,138	0	0	0	10,305	0	505	115	0
2046	33,091	408	376	3,217	0	0	0	9,972	0	500	748	0
2047	34,002	408	376	3,303	0	0	0	10,305	0	495	713	0
2048	35,591	408	376	3,390	0	0	0	9,972	0	490	1,401	107
2049	37,016	408	376	3,514	0	0	0	9,972	0	486	1,360	644
2050	38,382	408	376	3,655	0	0	0	9,972	0	481	1,323	1,133
2051	39,797	408	376	3,789	0	0	0	9,972	0	476	1,289	1,623
2052	41,315	408	376	3,923	0	0	0	9,257	0	471	1,258	2,882
2053	42,871	408	376	4,070	0	0	0	9,257	0	466	1,229	3,390
2054	44,467	408	376	4,212	0	0	0	8,095	0	462	1,203	5,104
2055	46,099	408	376	4,364	0	0	0	7,202	0	457	1,180	6,552
2056	47,767	408	376	4,519	0	0	0	5,861	0	453	1,159	8,490
2057	49,479	408	376	4,686	0	0	0	8,095	0	448	1,140	6,791
2058	51,236	408	376	4,841	0	0	0	8,542	0	444	1,124	6,939
2059	53,039	408	376	5,008	0	0	0	8,363	0	439	1,111	7,718
2060	54,646	408	376	5,179	0	0	0	8,363	0	435	1,099	8,321

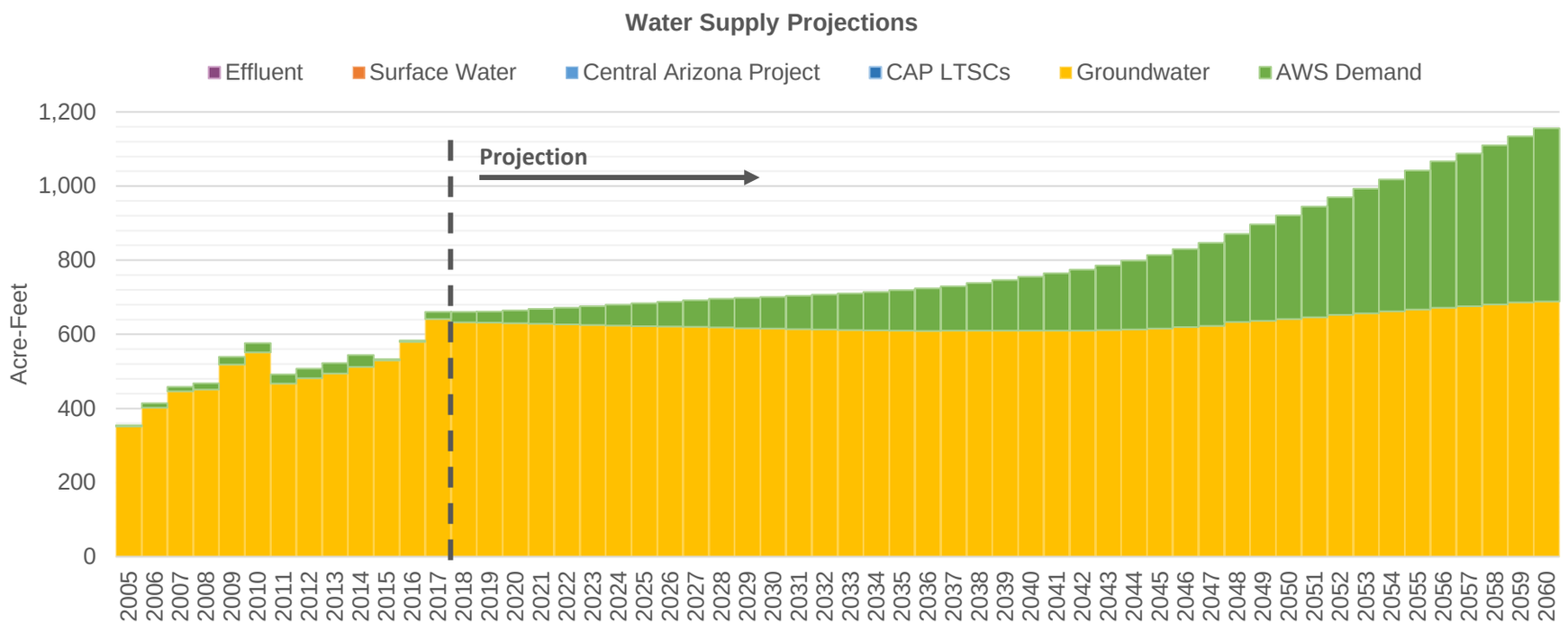
Central Arizona Project Service Area Model

QuailCreek

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

QuailCreek

F. Rapid, Outward, Very Dry Climate [LSCRBS]

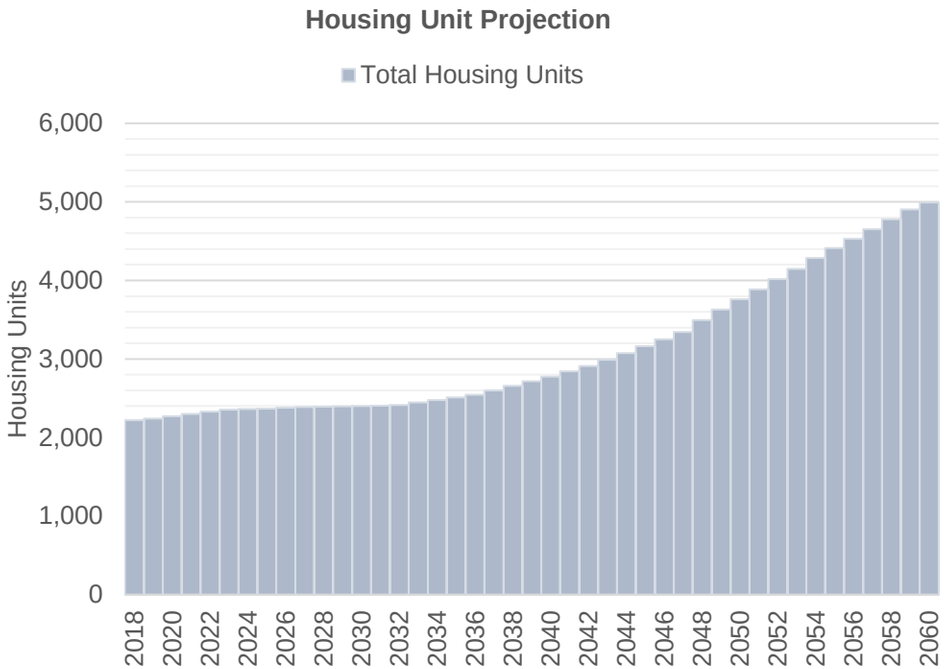
7/15/20 9:31 AM

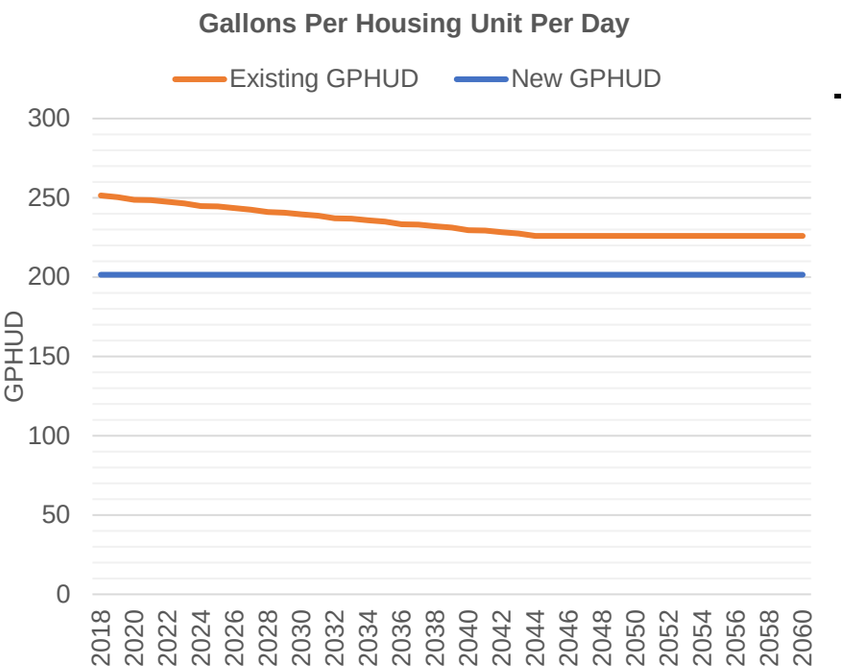
	Demand Assumptions			Water Supply Projections (Acre-Feet)								
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,899	311	217	0	0	0	0	0	0	0	633	28
2019	1,920	310	217	0	0	0	0	0	0	0	632	30
2020	1,945	308	217	0	0	0	0	0	0	0	630	34
2021	1,971	308	217	0	0	0	0	0	0	0	628	40
2022	1,997	306	217	0	0	0	0	0	0	0	627	45
2023	2,024	305	217	0	0	0	0	0	0	0	625	51
2024	2,050	303	217	0	0	0	0	0	0	0	624	56
2025	2,077	303	217	0	0	0	0	0	0	0	622	61
2026	2,104	302	217	0	0	0	0	0	0	0	621	66
2027	2,132	300	217	0	0	0	0	0	0	0	620	72
2028	2,156	298	217	0	0	0	0	0	0	0	619	77
2029	2,176	298	217	0	0	0	0	0	0	0	617	82
2030	2,198	297	217	0	0	0	0	0	0	0	615	86
2031	2,220	296	217	0	0	0	0	0	0	0	614	90
2032	2,243	294	217	0	0	0	0	0	0	0	613	94
2033	2,270	293	217	0	0	0	0	0	0	0	612	98
2034	2,298	292	217	0	0	0	0	0	0	0	611	104
2035	2,327	291	217	0	0	0	0	0	0	0	610	109
2036	2,356	289	217	0	0	0	0	0	0	0	609	115
2037	2,399	289	217	0	0	0	0	0	0	0	610	120
2038	2,443	287	217	0	0	0	0	0	0	0	610	128
2039	2,488	286	217	0	0	0	0	0	0	0	610	137
2040	2,535	284	217	0	0	0	0	0	0	0	610	146
2041	2,585	284	217	0	0	0	0	0	0	0	610	155
2042	2,636	283	217	0	0	0	0	0	0	0	610	164
2043	2,696	282	217	0	0	0	0	0	0	0	612	174
2044	2,760	280	217	0	0	0	0	0	0	0	613	186
2045	2,827	280	217	0	0	0	0	0	0	0	616	198
2046	2,895	280	217	0	0	0	0	0	0	0	619	211
2047	2,965	280	217	0	0	0	0	0	0	0	623	224
2048	3,083	280	217	0	0	0	0	0	0	0	633	237
2049	3,185	280	217	0	0	0	0	0	0	0	636	260
2050	3,282	280	217	0	0	0	0	0	0	0	641	280
2051	3,381	280	217	0	0	0	0	0	0	0	646	298
2052	3,479	280	217	0	0	0	0	0	0	0	652	317
2053	3,580	280	217	0	0	0	0	0	0	0	657	336
2054	3,683	280	217	0	0	0	0	0	0	0	662	356
2055	3,781	280	217	0	0	0	0	0	0	0	667	376
2056	3,872	280	217	0	0	0	0	0	0	0	672	394
2057	3,965	280	217	0	0	0	0	0	0	0	676	412
2058	4,060	280	217	0	0	0	0	0	0	0	681	430
2059	4,158	280	217	0	0	0	0	0	0	0	686	448
2060	4,225	280	217	0	0	0	0	0	0	0	689	467

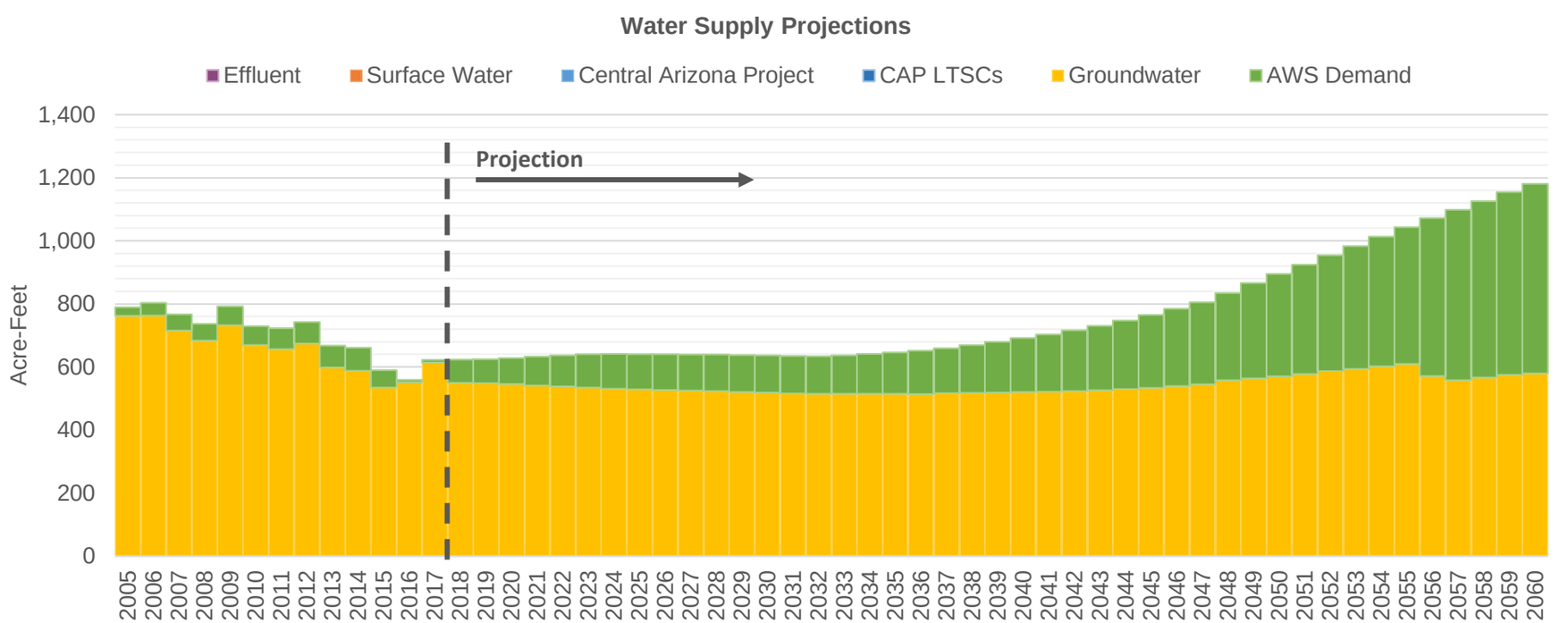
RayWC

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

RayWC

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

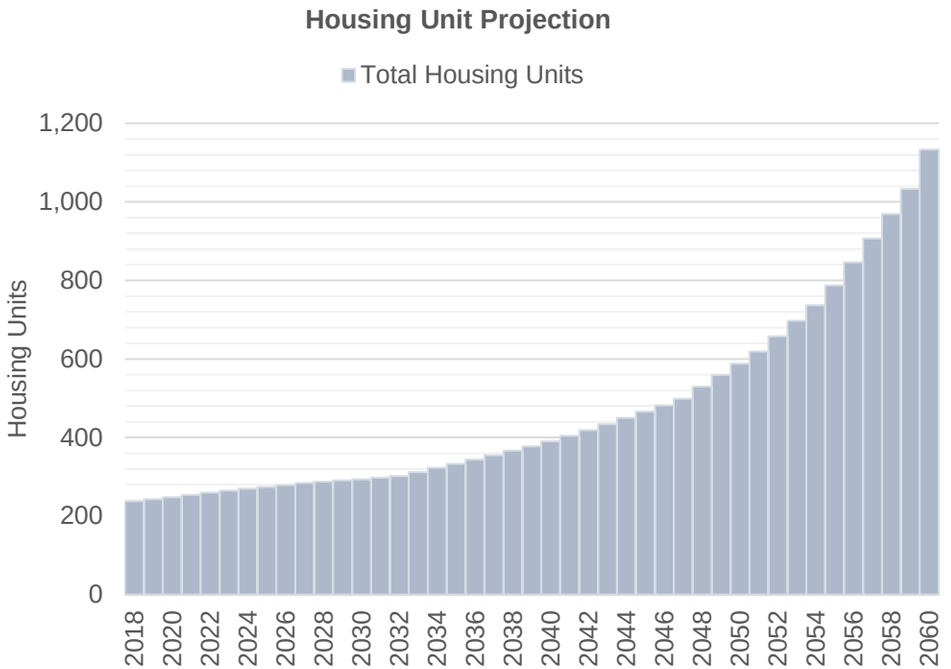
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

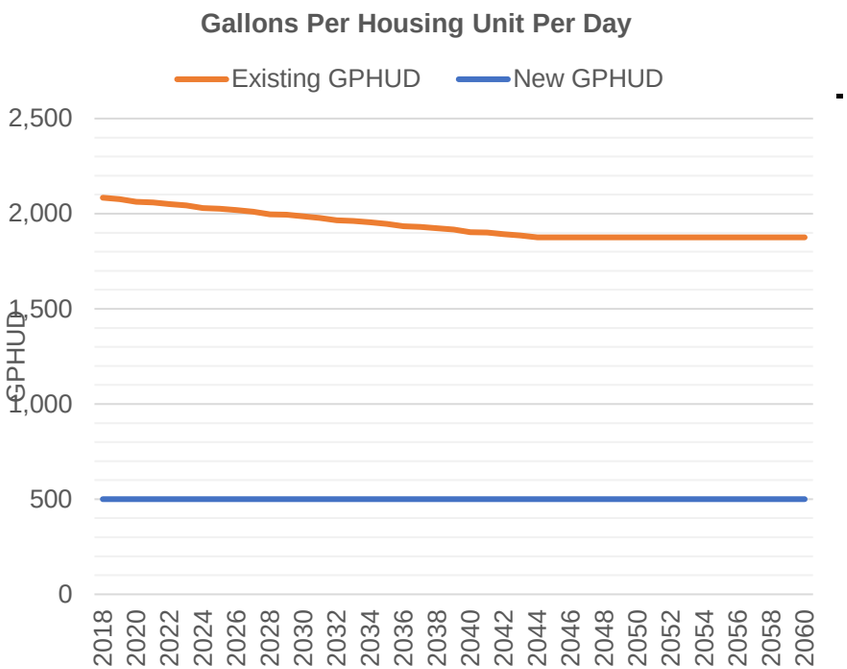
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	2,219	252	202	0	0	0	0	0	0	0	550	74
2019	2,243	250	202	0	0	0	0	0	0	0	549	76
2020	2,272	249	202	0	0	0	0	0	0	0	545	83
2021	2,301	248	202	0	0	0	0	0	0	0	541	91
2022	2,331	248	202	0	0	0	0	0	0	0	538	99
2023	2,354	247	202	0	0	0	0	0	0	0	534	106
2024	2,362	245	202	0	0	0	0	0	0	0	531	111
2025	2,370	245	202	0	0	0	0	0	0	0	529	112
2026	2,379	244	202	0	0	0	0	0	0	0	527	113
2027	2,388	243	202	0	0	0	0	0	0	0	525	115
2028	2,394	241	202	0	0	0	0	0	0	0	523	116
2029	2,398	241	202	0	0	0	0	0	0	0	520	117
2030	2,403	240	202	0	0	0	0	0	0	0	518	118
2031	2,407	239	202	0	0	0	0	0	0	0	516	119
2032	2,416	237	202	0	0	0	0	0	0	0	515	119
2033	2,447	237	202	0	0	0	0	0	0	0	515	121
2034	2,479	236	202	0	0	0	0	0	0	0	515	126
2035	2,511	235	202	0	0	0	0	0	0	0	514	132
2036	2,545	233	202	0	0	0	0	0	0	0	514	137
2037	2,601	233	202	0	0	0	0	0	0	0	516	143
2038	2,658	232	202	0	0	0	0	0	0	0	517	152
2039	2,717	231	202	0	0	0	0	0	0	0	519	162
2040	2,778	230	202	0	0	0	0	0	0	0	520	171
2041	2,844	229	202	0	0	0	0	0	0	0	522	182
2042	2,912	228	202	0	0	0	0	0	0	0	524	193
2043	2,989	228	202	0	0	0	0	0	0	0	526	204
2044	3,074	226	202	0	0	0	0	0	0	0	530	217
2045	3,161	226	202	0	0	0	0	0	0	0	534	231
2046	3,250	226	202	0	0	0	0	0	0	0	539	246
2047	3,342	226	202	0	0	0	0	0	0	0	545	261
2048	3,496	226	202	0	0	0	0	0	0	0	558	276
2049	3,631	226	202	0	0	0	0	0	0	0	564	302
2050	3,758	226	202	0	0	0	0	0	0	0	570	325
2051	3,887	226	202	0	0	0	0	0	0	0	578	346
2052	4,016	226	202	0	0	0	0	0	0	0	587	368
2053	4,149	226	202	0	0	0	0	0	0	0	593	390
2054	4,284	226	202	0	0	0	0	0	0	0	602	412
2055	4,412	226	202	0	0	0	0	0	0	0	609	434
2056	4,531	226	202	0	0	0	0	0	0	0	571	502
2057	4,653	226	202	0	0	0	0	0	0	0	558	540
2058	4,778	226	202	0	0	0	0	0	0	0	566	560
2059	4,906	226	202	0	0	0	0	0	0	0	574	580
2060	4,994	226	202	0	0	0	0	0	0	0	580	601

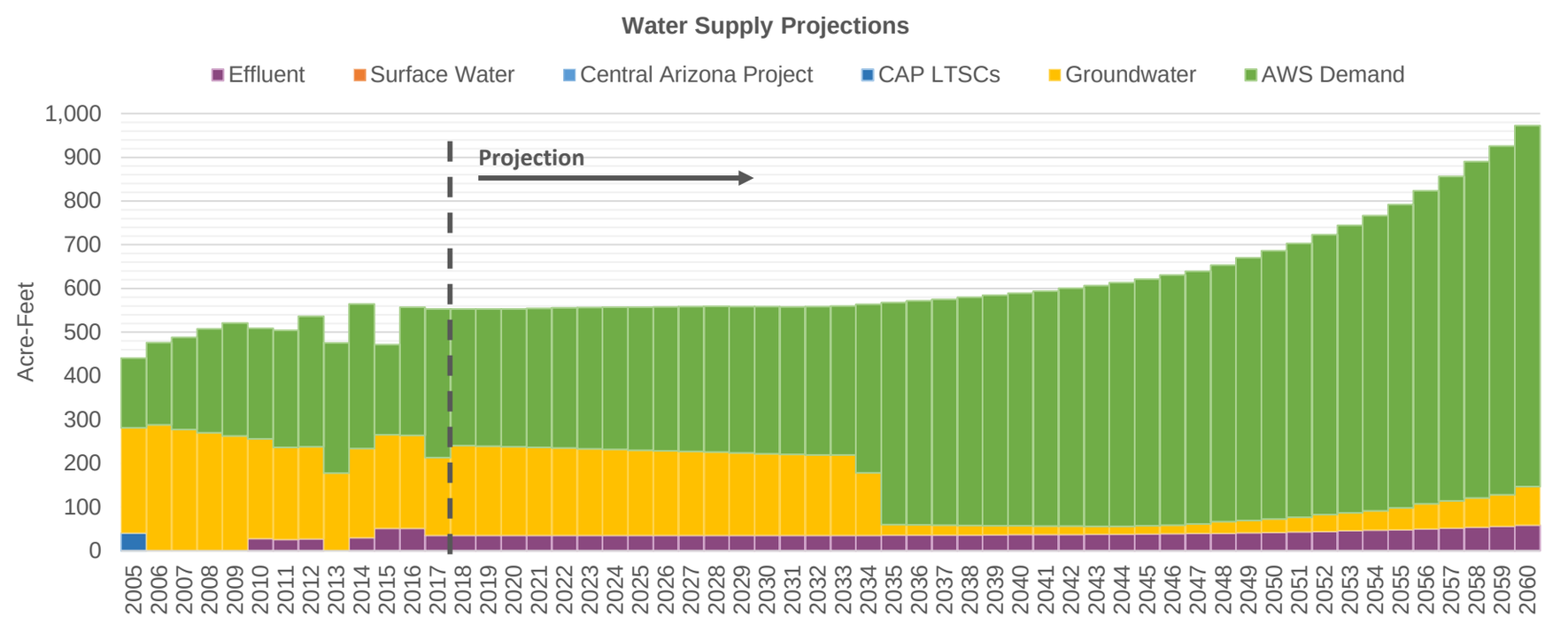
RidgeView

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

RidgeView

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

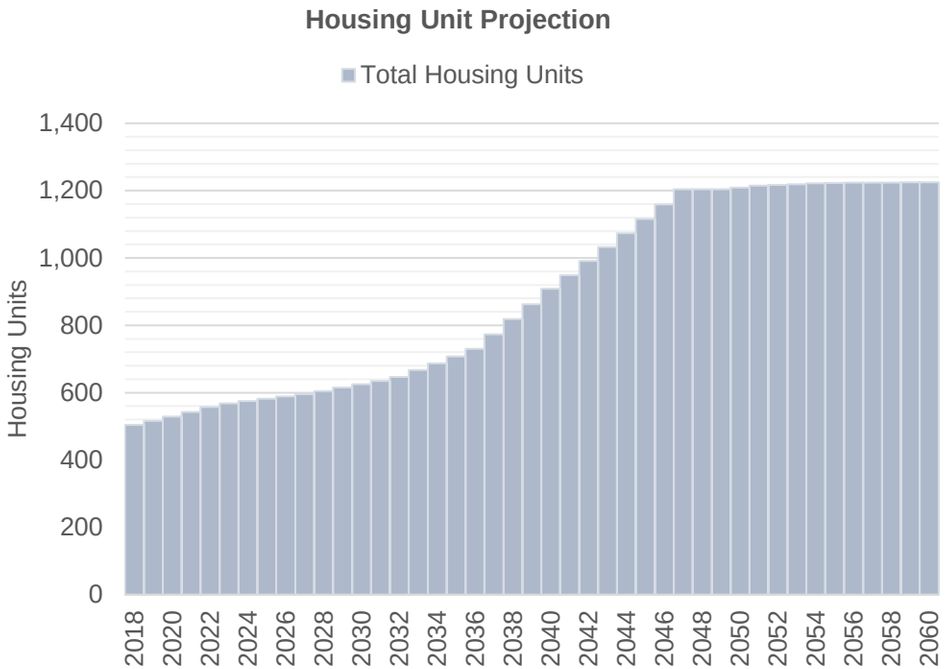
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

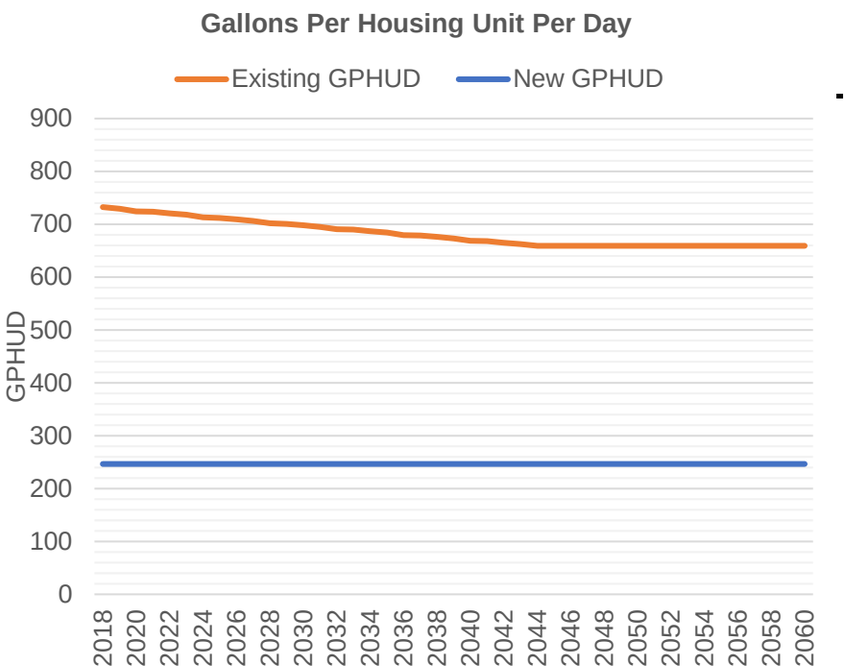
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	238	2,084	500	35	0	0	0	0	0	0	206	313
2019	243	2,076	500	35	0	0	0	0	0	0	205	313
2020	248	2,062	500	35	0	0	0	0	0	0	203	316
2021	254	2,059	500	35	0	0	0	0	0	0	201	318
2022	260	2,051	500	35	0	0	0	0	0	0	200	320
2023	265	2,043	500	35	0	0	0	0	0	0	198	323
2024	270	2,029	500	35	0	0	0	0	0	0	197	325
2025	274	2,027	500	35	0	0	0	0	0	0	195	327
2026	279	2,018	500	35	0	0	0	0	0	0	194	329
2027	284	2,010	500	35	0	0	0	0	0	0	192	331
2028	288	1,997	500	35	0	0	0	0	0	0	191	333
2029	291	1,994	500	35	0	0	0	0	0	0	189	335
2030	294	1,986	500	35	0	0	0	0	0	0	187	336
2031	298	1,978	500	35	0	0	0	0	0	0	186	337
2032	302	1,965	500	35	0	0	0	0	0	0	184	339
2033	312	1,963	500	35	0	0	0	0	0	0	185	340
2034	323	1,955	500	35	0	0	0	0	0	0	143	386
2035	333	1,947	500	36	0	0	0	0	0	0	24	507
2036	344	1,934	500	36	0	0	0	0	0	0	24	512
2037	355	1,931	500	36	0	0	0	0	0	0	23	517
2038	367	1,924	500	36	0	0	0	0	0	0	22	522
2039	378	1,916	500	37	0	0	0	0	0	0	21	527
2040	390	1,903	500	37	0	0	0	0	0	0	20	532
2041	405	1,901	500	37	0	0	0	0	0	0	20	537
2042	419	1,893	500	38	0	0	0	0	0	0	19	544
2043	434	1,885	500	38	0	0	0	0	0	0	18	550
2044	450	1,876	500	38	0	0	0	0	0	0	18	557
2045	466	1,876	500	39	0	0	0	0	0	0	19	564
2046	482	1,876	500	39	0	0	0	0	0	0	20	572
2047	499	1,876	500	40	0	0	0	0	0	0	21	578
2048	530	1,876	500	40	0	0	0	0	0	0	27	587
2049	559	1,876	500	41	0	0	0	0	0	0	28	601
2050	588	1,876	500	42	0	0	0	0	0	0	31	614
2051	619	1,876	500	43	0	0	0	0	0	0	33	627
2052	658	1,876	500	44	0	0	0	0	0	0	39	641
2053	697	1,876	500	46	0	0	0	0	0	0	41	658
2054	737	1,876	500	47	0	0	0	0	0	0	44	675
2055	787	1,876	500	48	0	0	0	0	0	0	50	693
2056	846	1,876	500	50	0	0	0	0	0	0	58	716
2057	907	1,876	500	52	0	0	0	0	0	0	62	742
2058	969	1,876	500	54	0	0	0	0	0	0	67	769
2059	1,033	1,876	500	56	0	0	0	0	0	0	72	797
2060	1,133	1,876	500	59	0	0	0	0	0	0	88	826

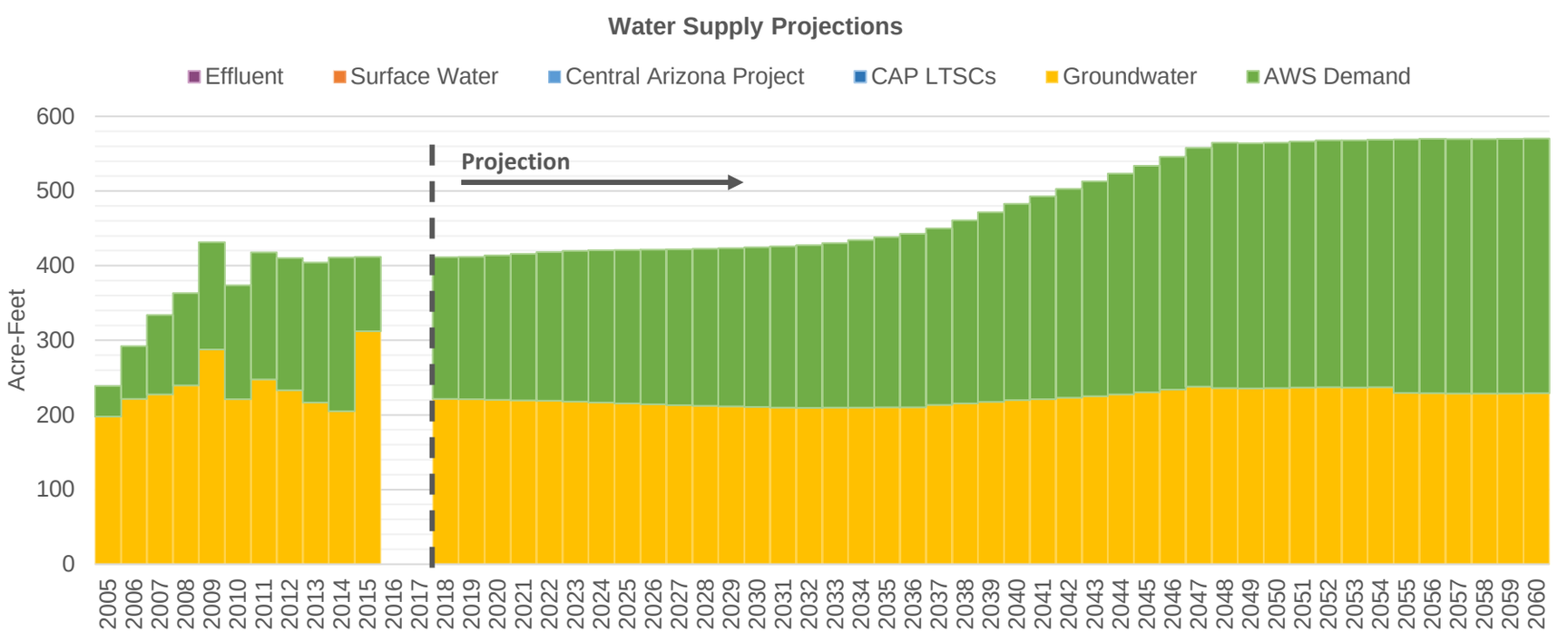
Central Arizona Project Service Area Model

Saguaro

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

Saguaro

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

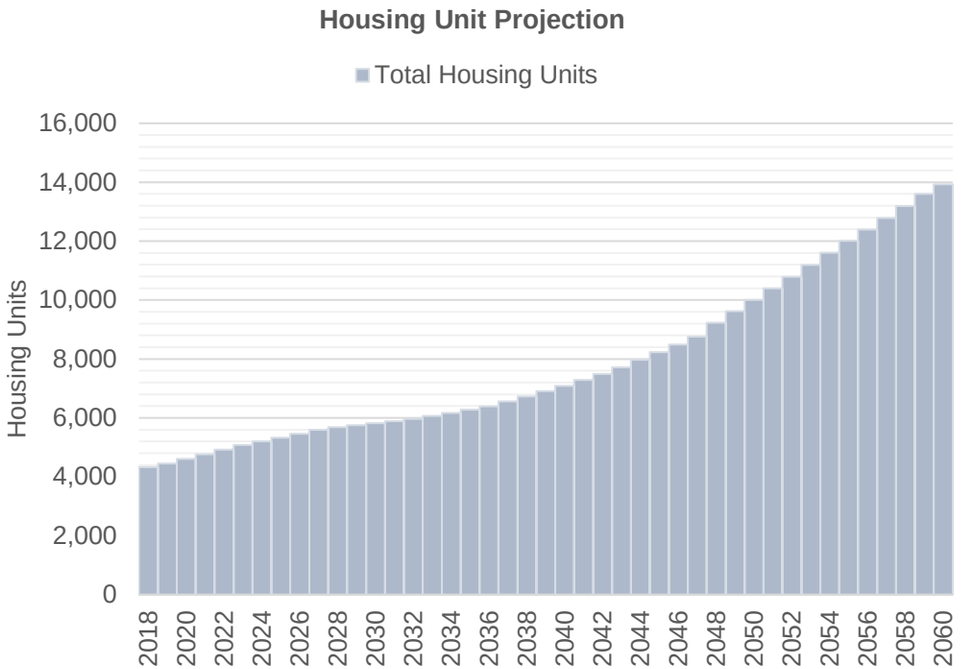
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

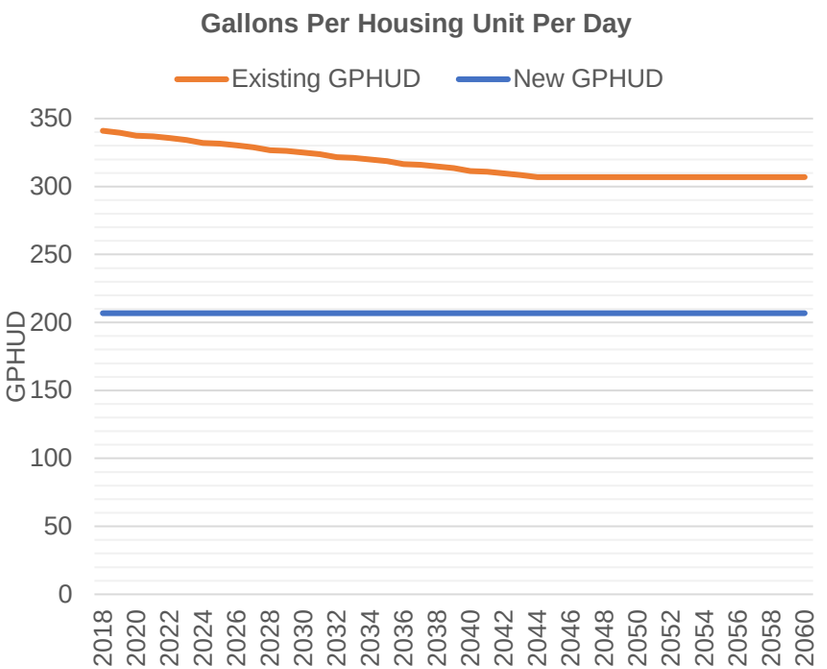
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	504	732	247	0	0	0	0	0	0	0	221	190
2019	516	730	247	0	0	0	0	0	0	0	221	191
2020	529	725	247	0	0	0	0	0	0	0	220	193
2021	543	724	247	0	0	0	0	0	0	0	220	196
2022	557	721	247	0	0	0	0	0	0	0	219	199
2023	568	718	247	0	0	0	0	0	0	0	218	202
2024	575	713	247	0	0	0	0	0	0	0	216	204
2025	582	712	247	0	0	0	0	0	0	0	215	206
2026	589	709	247	0	0	0	0	0	0	0	214	207
2027	596	707	247	0	0	0	0	0	0	0	213	209
2028	605	702	247	0	0	0	0	0	0	0	212	210
2029	615	701	247	0	0	0	0	0	0	0	212	212
2030	625	698	247	0	0	0	0	0	0	0	211	214
2031	635	695	247	0	0	0	0	0	0	0	210	216
2032	647	691	247	0	0	0	0	0	0	0	210	218
2033	667	690	247	0	0	0	0	0	0	0	210	220
2034	687	687	247	0	0	0	0	0	0	0	210	224
2035	708	684	247	0	0	0	0	0	0	0	210	228
2036	730	680	247	0	0	0	0	0	0	0	210	232
2037	773	679	247	0	0	0	0	0	0	0	213	237
2038	818	676	247	0	0	0	0	0	0	0	215	245
2039	863	673	247	0	0	0	0	0	0	0	217	254
2040	909	669	247	0	0	0	0	0	0	0	220	263
2041	949	668	247	0	0	0	0	0	0	0	221	272
2042	991	665	247	0	0	0	0	0	0	0	223	280
2043	1,032	663	247	0	0	0	0	0	0	0	225	288
2044	1,074	659	247	0	0	0	0	0	0	0	228	296
2045	1,116	659	247	0	0	0	0	0	0	0	230	304
2046	1,159	659	247	0	0	0	0	0	0	0	234	312
2047	1,204	659	247	0	0	0	0	0	0	0	238	320
2048	1,204	659	247	0	0	0	0	0	0	0	236	329
2049	1,204	659	247	0	0	0	0	0	0	0	235	329
2050	1,209	659	247	0	0	0	0	0	0	0	236	329
2051	1,215	659	247	0	0	0	0	0	0	0	237	330
2052	1,217	659	247	0	0	0	0	0	0	0	237	331
2053	1,219	659	247	0	0	0	0	0	0	0	237	331
2054	1,222	659	247	0	0	0	0	0	0	0	237	332
2055	1,223	659	247	0	0	0	0	0	0	0	230	340
2056	1,224	659	247	0	0	0	0	0	0	0	229	341
2057	1,224	659	247	0	0	0	0	0	0	0	229	341
2058	1,224	659	247	0	0	0	0	0	0	0	229	341
2059	1,225	659	247	0	0	0	0	0	0	0	229	341
2060	1,225	659	247	0	0	0	0	0	0	0	229	341

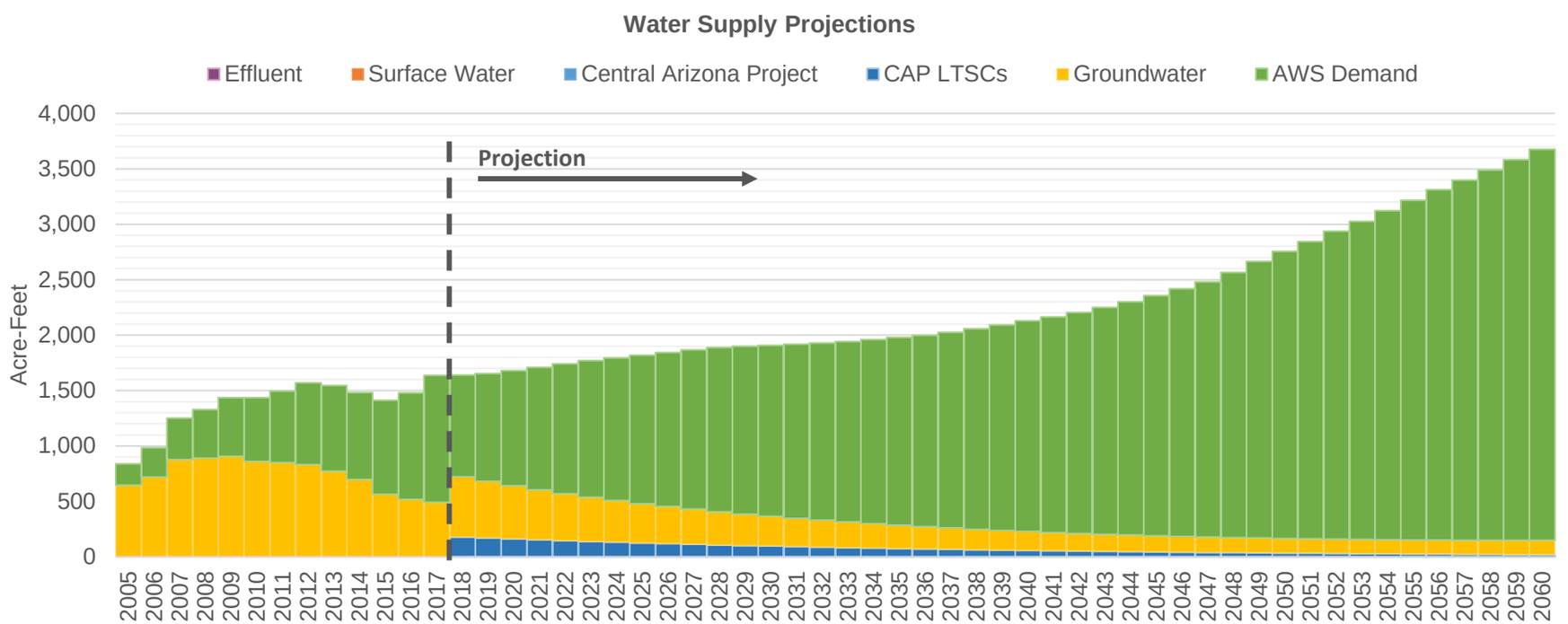
Central Arizona Project Service Area Model

Sahuarita

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

Sahuarita

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

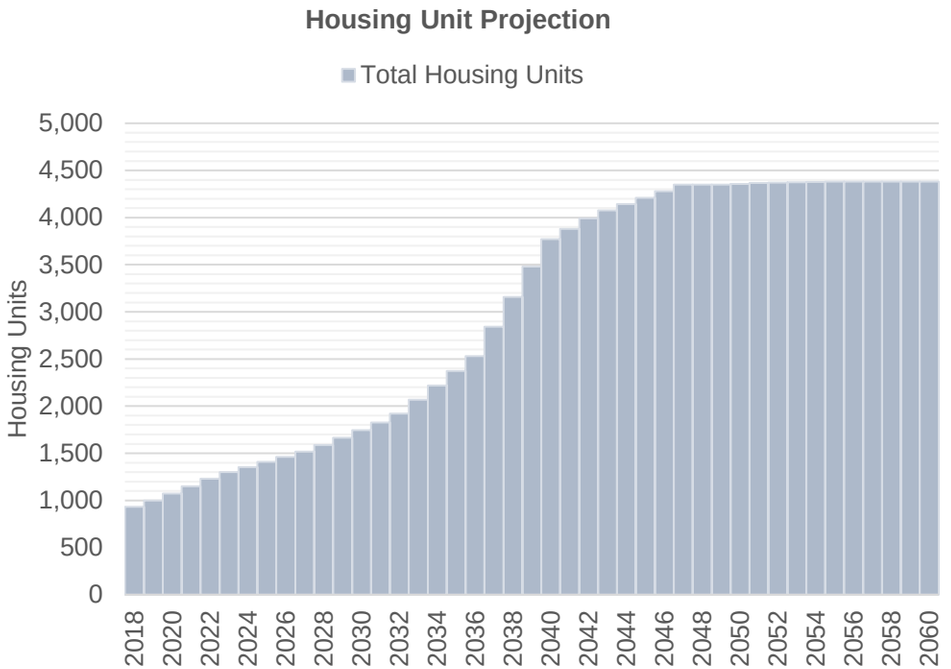
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

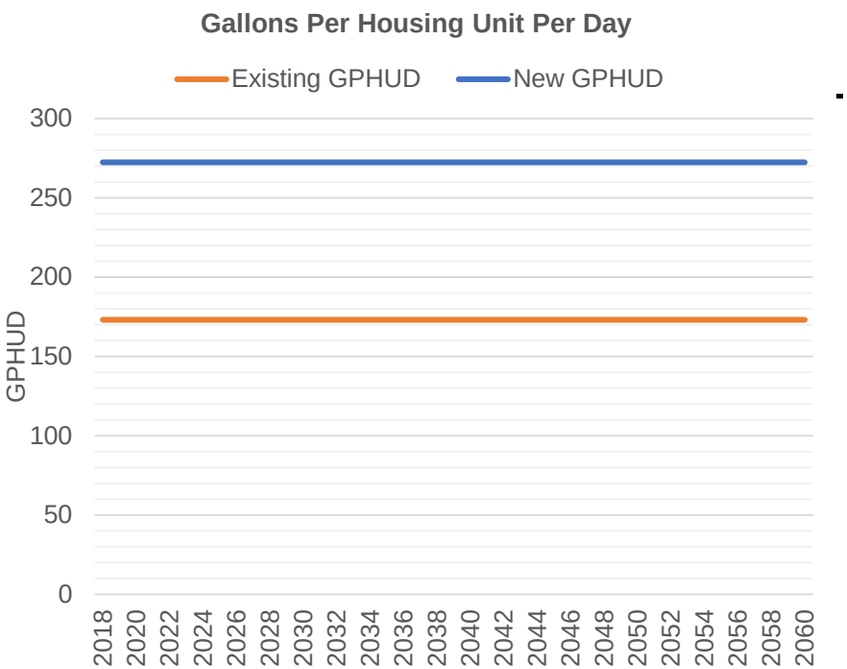
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	4,324	341	207	0	0	0	0	0	0	179	544	918
2019	4,455	340	207	0	0	0	0	0	0	171	510	973
2020	4,607	337	207	0	0	0	0	0	0	162	479	1,040
2021	4,766	337	207	0	0	0	0	0	0	154	450	1,106
2022	4,927	336	207	0	0	0	0	0	0	146	423	1,171
2023	5,077	334	207	0	0	0	0	0	0	139	399	1,233
2024	5,203	332	207	0	0	0	0	0	0	132	375	1,289
2025	5,331	332	207	0	0	0	0	0	0	125	354	1,339
2026	5,462	330	207	0	0	0	0	0	0	119	334	1,389
2027	5,595	329	207	0	0	0	0	0	0	113	316	1,437
2028	5,689	327	207	0	0	0	0	0	0	107	299	1,481
2029	5,754	326	207	0	0	0	0	0	0	102	283	1,513
2030	5,821	325	207	0	0	0	0	0	0	97	269	1,542
2031	5,889	324	207	0	0	0	0	0	0	92	255	1,570
2032	5.963	322	207	0	0	0	0	0	0	88	243	1.598
2033	6,067	321	207	0	0	0	0	0	0	83	231	1,627
2034	6,174	320	207	0	0	0	0	0	0	79	220	1,661
2035	6,282	319	207	0	0	0	0	0	0	75	210	1,693
2036	6,394	316	207	0	0	0	0	0	0	71	201	1,727
2037	6,562	316	207	0	0	0	0	0	0	68	193	1,764
2038	6,734	315	207	0	0	0	0	0	0	64	185	1,809
2039	6,910	313	207	0	0	0	0	0	0	61	177	1,854
2040	7,093	311	207	0	0	0	0	0	0	58	171	1,901
2041	7,289	311	207	0	0	0	0	0	0	55	165	1,946
2042	7,491	310	207	0	0	0	0	0	0	52	159	1,994
2043	7,721	309	207	0	0	0	0	0	0	50	154	2,046
2044	7,972	307	207	0	0	0	0	0	0	47	149	2,105
2045	8,230	307	207	0	0	0	0	0	0	45	145	2,167
2046	8,494	307	207	0	0	0	0	0	0	43	142	2,233
2047	8,765	307	207	0	0	0	0	0	0	41	138	2,300
2048	9,226	307	207	0	0	0	0	0	0	39	135	2,393
2049	9,628	307	207	0	0	0	0	0	0	37	133	2,495
2050	10,008	307	207	0	0	0	0	0	0	35	131	2,589
2051	10,398	307	207	0	0	0	0	0	0	33	129	2,682
2052	10,792	307	207	0	0	0	0	0	0	31	128	2,780
2053	11,196	307	207	0	0	0	0	0	0	30	127	2,870
2054	11,611	307	207	0	0	0	0	0	0	28	126	2,967
2055	12,012	307	207	0	0	0	0	0	0	27	126	3,064
2056	12,394	307	207	0	0	0	0	0	0	26	126	3,161
2057	12,787	307	207	0	0	0	0	0	0	24	126	3,247
2058	13,190	307	207	0	0	0	0	0	0	23	126	3,340
2059	13,604	307	207	0	0	0	0	0	0	22	127	3,435
2060	13,930	307	207	0	0	0	0	0	0	21	128	3,527

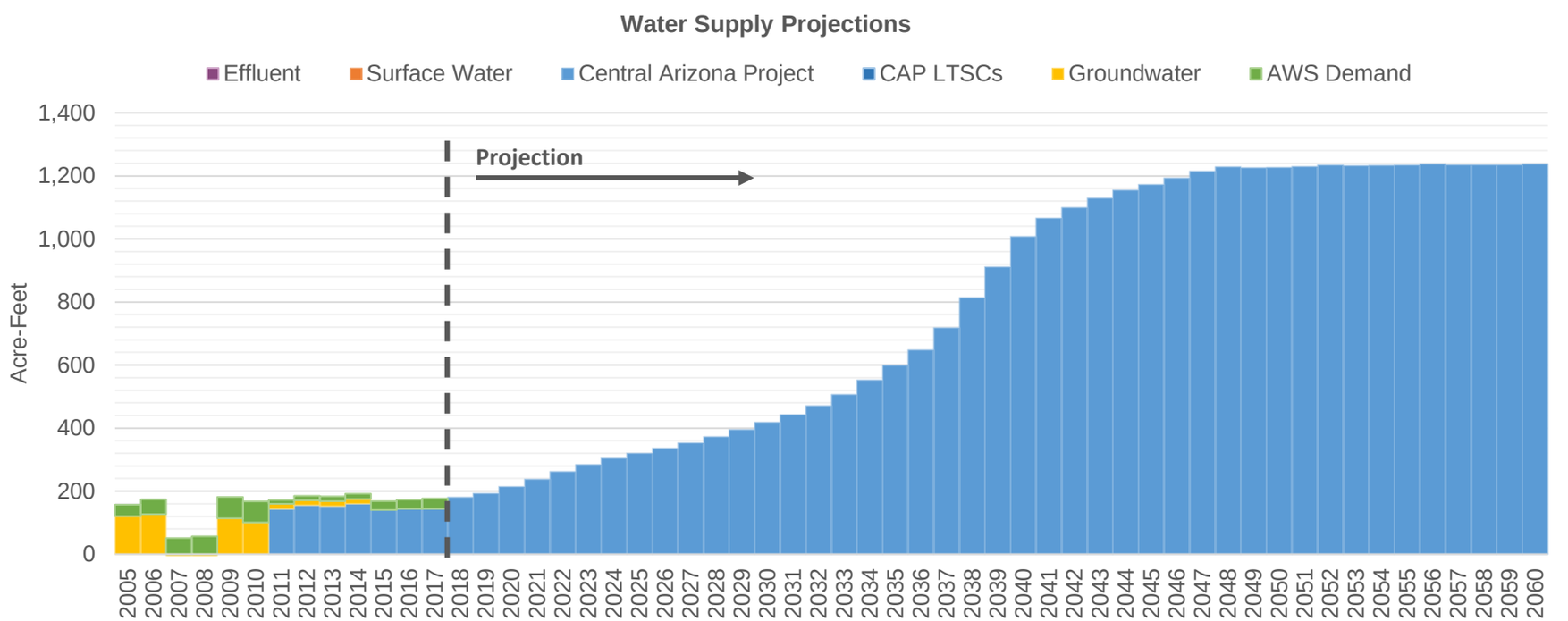
Central Arizona Project Service Area Model

SpanishTrailWC

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

SpanishTrailWC

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

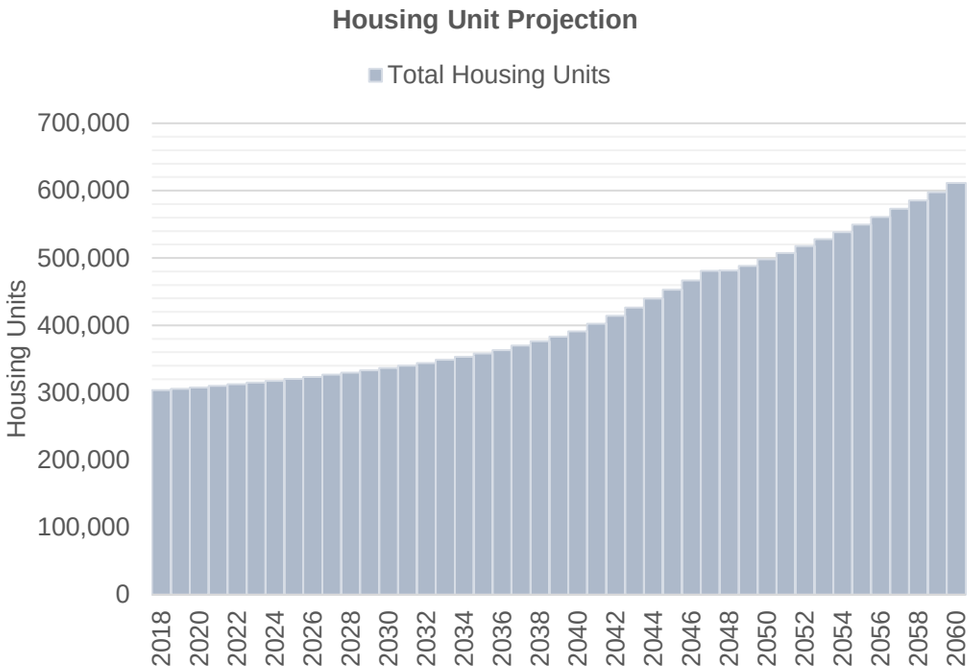
Demand Assumptions **Water Supply Projections** (Acre-Feet)

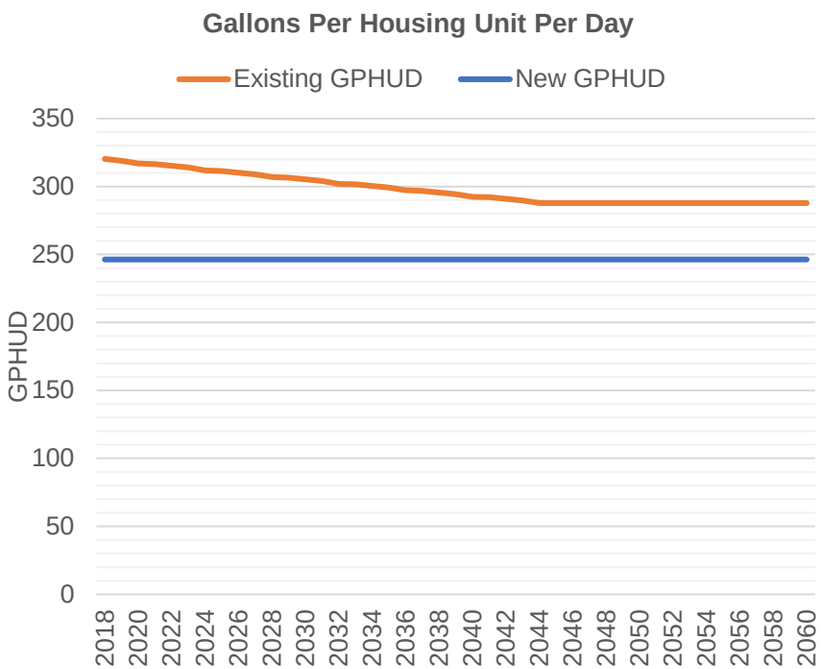
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	933	173	272	0	0	0	0	180	2,857	0	0	0
2019	998	173	272	0	0	0	0	193	2,844	0	0	0
2020	1,073	173	272	0	0	0	0	215	2,822	0	0	0
2021	1,151	173	272	0	0	0	0	238	2,799	0	0	0
2022	1,231	173	272	0	0	0	0	262	2,775	0	0	0
2023	1,302	173	272	0	0	0	0	285	2,752	0	0	0
2024	1,354	173	272	0	0	0	0	304	2,733	0	0	0
2025	1,408	173	272	0	0	0	0	320	2,717	0	0	0
2026	1,462	173	272	0	0	0	0	336	2,701	0	0	0
2027	1,518	173	272	0	0	0	0	353	2,684	0	0	0
2028	1,587	173	272	0	0	0	0	373	2,664	0	0	0
2029	1,665	173	272	0	0	0	0	395	2,642	0	0	0
2030	1,744	173	272	0	0	0	0	419	2,618	0	0	0
2031	1,826	173	272	0	0	0	0	443	2,594	0	0	0
2032	1.919	173	272	0	0	0	0	471	2.566	0	0	0
2033	2,067	173	272	0	0	0	0	507	2,530	0	0	0
2034	2,218	173	272	0	0	0	0	552	2,485	0	0	0
2035	2,373	173	272	0	0	0	0	599	2,438	0	0	0
2036	2,532	173	272	0	0	0	0	648	2,389	0	0	0
2037	2,842	173	272	0	0	0	0	718	2,319	0	0	0
2038	3,158	173	272	0	0	0	0	814	2,016	0	0	0
2039	3,482	173	272	0	0	0	0	911	1,439	0	0	0
2040	3,771	173	272	0	0	0	0	1,007	1,771	0	0	0
2041	3,881	173	272	0	0	0	0	1,066	1,924	0	0	0
2042	3,993	173	272	0	0	0	0	1,100	1,863	0	0	0
2043	4,077	173	272	0	0	0	0	1,130	1,907	0	0	0
2044	4,142	173	272	0	0	0	0	1,155	1,882	0	0	0
2045	4,210	173	272	0	0	0	0	1,173	1,864	0	0	0
2046	4,278	173	272	0	0	0	0	1,193	1,745	0	0	0
2047	4,349	173	272	0	0	0	0	1,215	1,822	0	0	0
2048	4,349	173	272	0	0	0	0	1,228	1,711	0	0	0
2049	4,349	173	272	0	0	0	0	1,225	1,713	0	0	0
2050	4,358	173	272	0	0	0	0	1,227	1,712	0	0	0
2051	4,366	173	272	0	0	0	0	1,229	1,709	0	0	0
2052	4,370	173	272	0	0	0	0	1,234	1,494	0	0	0
2053	4,373	173	272	0	0	0	0	1,232	1,496	0	0	0
2054	4,377	173	272	0	0	0	0	1,233	1,152	0	0	0
2055	4,380	173	272	0	0	0	0	1,234	888	0	0	0
2056	4,380	173	272	0	0	0	0	1,238	490	0	0	0
2057	4,381	173	272	0	0	0	0	1,235	1,151	0	0	0
2058	4,381	173	272	0	0	0	0	1,235	1,282	0	0	0
2059	4,382	173	272	0	0	0	0	1,235	1,229	0	0	0
2060	4,382	173	272	0	0	0	0	1,238	1,226	0	0	0

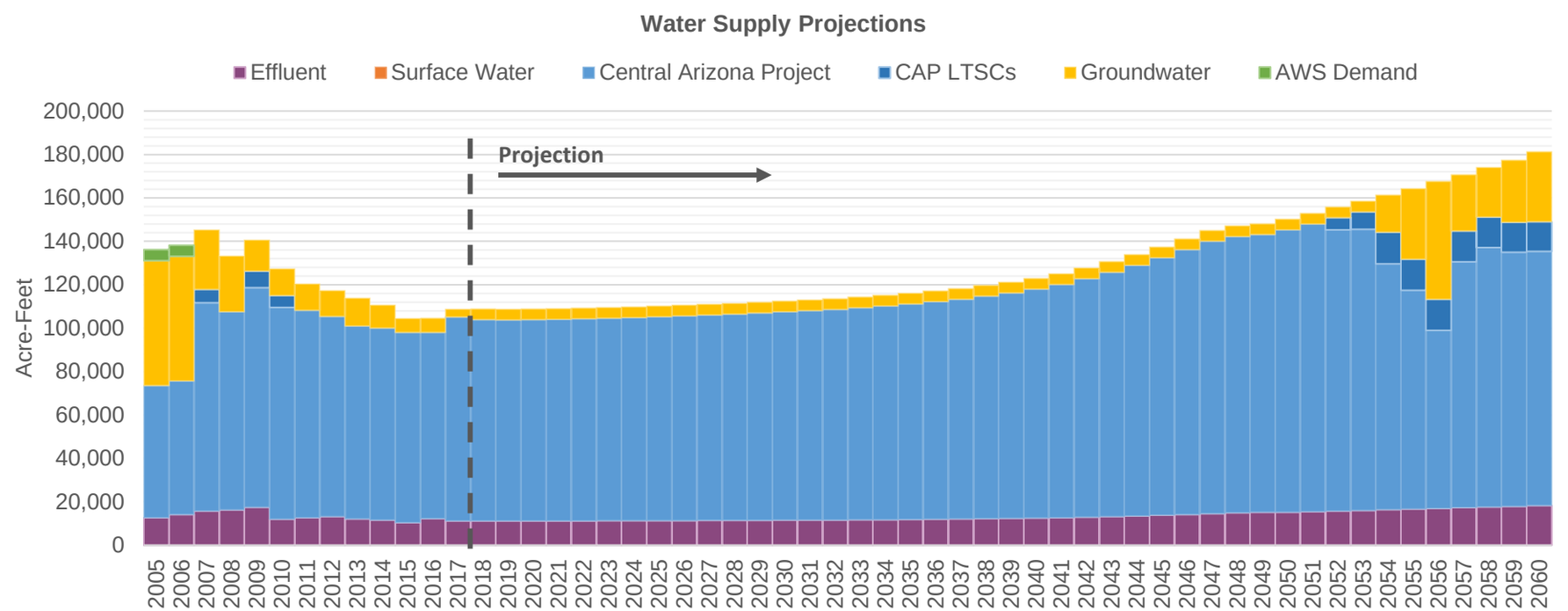
Central Arizona Project Service Area Model

Tucson

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

Tucson

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7/15/20 9:31 AM

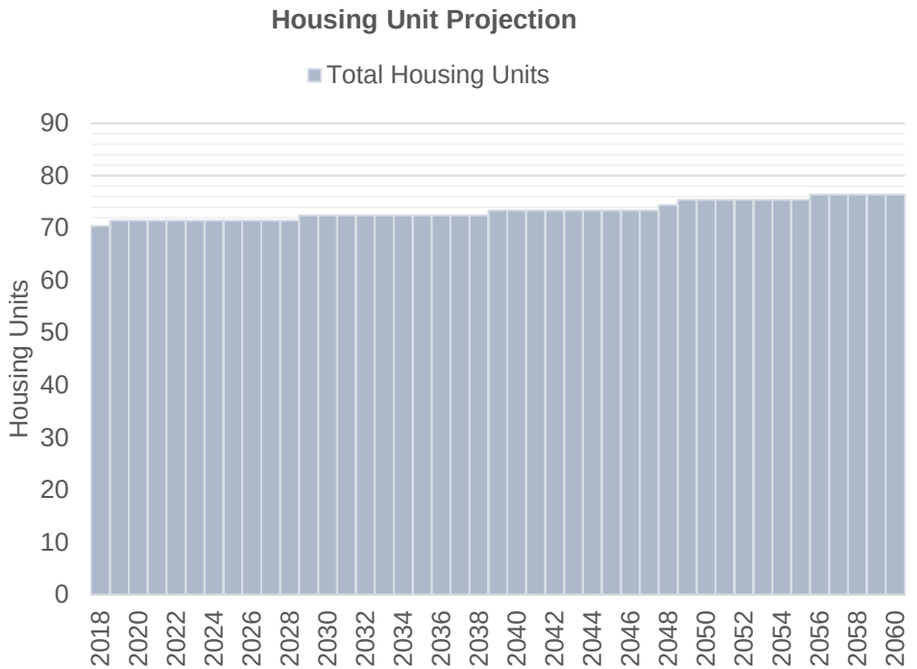
Demand Assumptions **Water Supply Projections** (Acre-Feet)

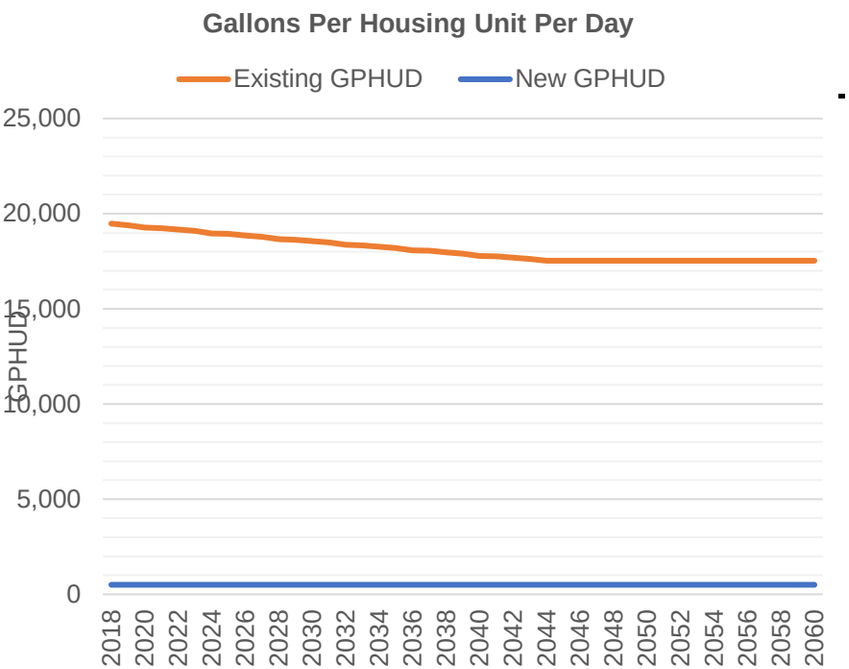
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	303,802	320	246	11,236	0	0	0	92,687	51,485	0	4,951	0
2019	305,670	319	246	11,236	0	0	0	92,590	51,582	0	4,951	0
2020	307,830	317	246	11,226	0	0	0	92,725	51,447	0	4,951	0
2021	310,088	316	246	11,239	0	0	0	92,887	51,285	0	4,951	0
2022	312,375	315	246	11,257	0	0	0	93,066	51,106	0	4,951	0
2023	314,846	314	246	11,277	0	0	0	93,274	50,898	0	4,951	0
2024	317,694	312	246	11,301	0	0	0	93,567	50,605	0	4,951	0
2025	320,599	311	246	11,334	0	0	0	93,894	50,278	0	4,951	0
2026	323,563	310	246	11,371	0	0	0	94,243	49,929	0	4,951	0
2027	326,589	309	246	11,410	0	0	0	94,609	49,563	0	4,951	0
2028	329,821	307	246	11,452	0	0	0	95,029	49,143	0	4,951	0
2029	333,224	306	246	11,500	0	0	0	95,459	48,713	0	4,951	0
2030	336,698	305	246	11,549	0	0	0	95,943	48,229	0	4,951	0
2031	340,247	304	246	11,604	0	0	0	96,442	47,730	0	4,951	0
2032	344.022	302	246	11.661	0	0	0	97.012	47.160	0	4.951	0
2033	348,673	302	246	11,726	0	0	0	97,668	46,504	0	4,951	0
2034	353,426	300	246	11,801	0	0	0	98,481	45,691	0	4,951	0
2035	358,283	299	246	11,892	0	0	0	99,307	44,865	0	4,951	0
2036	363,263	297	246	11,987	0	0	0	100,206	43,966	0	4,951	0
2037	369,842	297	246	12,090	0	0	0	101,250	42,922	0	4,951	0
2038	376,569	296	246	12,208	0	0	0	102,564	31,770	0	4,951	0
2039	383,450	294	246	12,356	0	0	0	103,892	7,678	0	4,951	0
2040	391,218	292	246	12,508	0	0	0	105,424	26,457	0	4,951	0
2041	402,457	292	246	12,682	0	0	0	107,410	34,509	0	4,951	0
2042	413,959	291	246	12,905	0	0	0	109,928	30,711	0	4,951	0
2043	426,369	290	246	13,187	0	0	0	112,549	31,623	0	4,951	0
2044	439,516	288	246	13,487	0	0	0	115,479	28,693	0	4,951	0
2045	452,973	288	246	13,821	0	0	0	118,605	25,567	0	4,951	0
2046	466,737	288	246	14,178	0	0	0	122,003	17,510	0	4,951	0
2047	480,835	288	246	14,565	0	0	0	125,460	18,712	0	4,951	0
2048	481,573	288	246	14,962	0	0	0	127,244	12,269	0	4,951	0
2049	488,319	288	246	15,187	0	0	0	127,917	11,597	0	4,951	0
2050	497,810	288	246	15,280	0	0	0	130,064	9,449	0	4,951	0
2051	507,551	288	246	15,511	0	0	0	132,486	7,027	0	4,951	0
2052	517,595	288	246	15,785	0	0	0	129,512	0	5,589	4,951	0
2053	527,894	288	246	16,083	0	0	0	129,512	0	7,939	4,951	0
2054	538,457	288	246	16,356	0	0	0	113,258	0	14,562	17,185	0
2055	549,507	288	246	16,653	0	0	0	100,756	0	14,417	32,518	0
2056	561,091	288	246	16,961	0	0	0	82,002	0	14,273	54,421	0
2057	572,978	288	246	17,302	0	0	0	113,258	0	14,130	26,014	0
2058	585,178	288	246	17,617	0	0	0	119,510	0	13,989	22,912	0
2059	597,701	288	246	17,960	0	0	0	117,009	0	13,849	28,620	0
2060	611,536	288	246	18,312	0	0	0	117,009	0	13,710	32,271	0

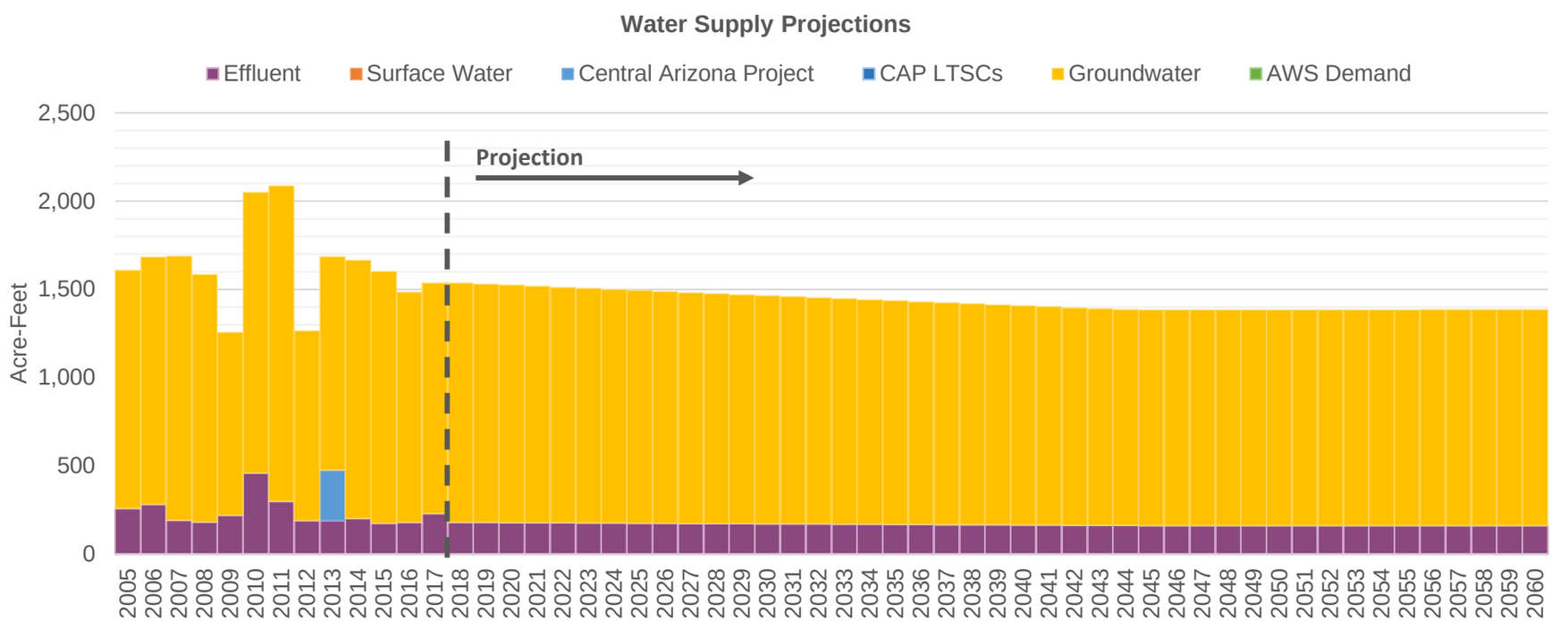
UniversityofAZ

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

UniversityofAZ

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

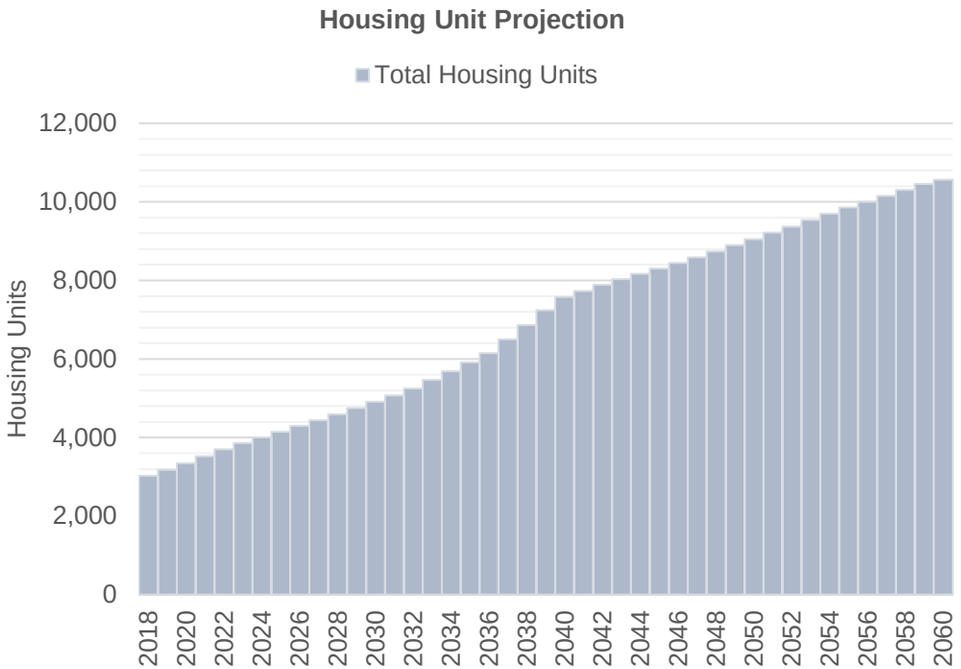
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

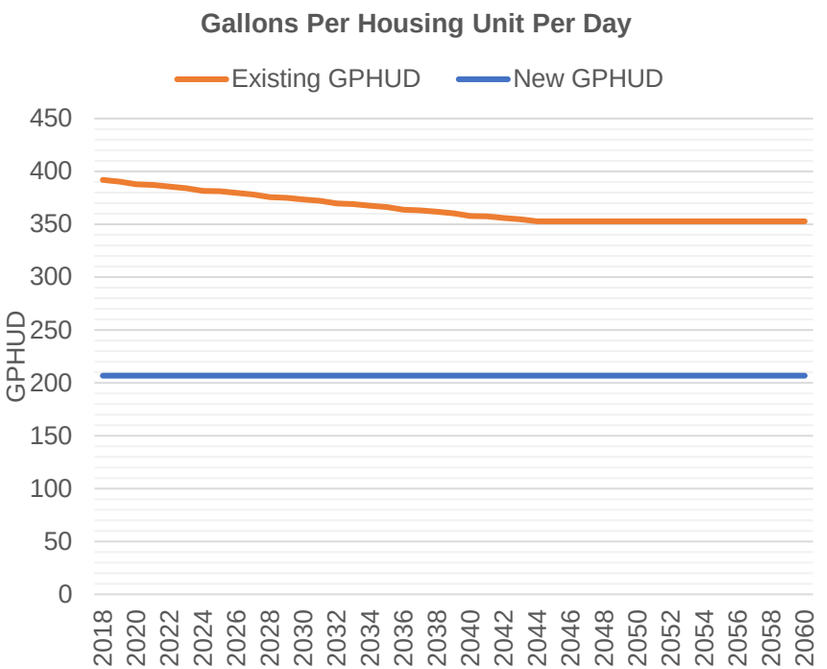
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	70	19,478	500	180	0	0	0	0	0	0	1,356	0
2019	71	19,400	500	180	0	0	0	0	0	0	1,350	0
2020	71	19,270	500	179	0	0	0	0	0	0	1,345	0
2021	71	19,245	500	179	0	0	0	0	0	0	1,340	0
2022	71	19,168	500	178	0	0	0	0	0	0	1,334	0
2023	71	19,092	500	177	0	0	0	0	0	0	1,329	0
2024	71	18,963	500	176	0	0	0	0	0	0	1,324	0
2025	71	18,939	500	176	0	0	0	0	0	0	1,318	0
2026	71	18,863	500	175	0	0	0	0	0	0	1,313	0
2027	71	18,788	500	174	0	0	0	0	0	0	1,308	0
2028	71	18,662	500	174	0	0	0	0	0	0	1,303	0
2029	72	18,638	500	173	0	0	0	0	0	0	1,298	0
2030	72	18,563	500	172	0	0	0	0	0	0	1,293	0
2031	72	18,489	500	172	0	0	0	0	0	0	1,287	0
2032	72	18,365	500	171	0	0	0	0	0	0	1,282	0
2033	72	18,341	500	170	0	0	0	0	0	0	1,277	0
2034	72	18,268	500	170	0	0	0	0	0	0	1,272	0
2035	72	18,195	500	169	0	0	0	0	0	0	1,267	0
2036	72	18,073	500	168	0	0	0	0	0	0	1,262	0
2037	72	18,050	500	168	0	0	0	0	0	0	1,257	0
2038	72	17,978	500	167	0	0	0	0	0	0	1,252	0
2039	73	17,906	500	166	0	0	0	0	0	0	1,247	0
2040	73	17,785	500	166	0	0	0	0	0	0	1,242	0
2041	73	17,763	500	165	0	0	0	0	0	0	1,237	0
2042	73	17,692	500	164	0	0	0	0	0	0	1,233	0
2043	73	17,621	500	164	0	0	0	0	0	0	1,228	0
2044	73	17,530	500	163	0	0	0	0	0	0	1,223	0
2045	73	17,530	500	162	0	0	0	0	0	0	1,222	0
2046	73	17,530	500	162	0	0	0	0	0	0	1,222	0
2047	73	17,530	500	162	0	0	0	0	0	0	1,222	0
2048	74	17,530	500	162	0	0	0	0	0	0	1,222	0
2049	75	17,530	500	162	0	0	0	0	0	0	1,223	0
2050	75	17,530	500	162	0	0	0	0	0	0	1,223	0
2051	75	17,530	500	162	0	0	0	0	0	0	1,223	0
2052	75	17,530	500	162	0	0	0	0	0	0	1,223	0
2053	75	17,530	500	162	0	0	0	0	0	0	1,223	0
2054	75	17,530	500	162	0	0	0	0	0	0	1,223	0
2055	75	17,530	500	162	0	0	0	0	0	0	1,223	0
2056	76	17,530	500	162	0	0	0	0	0	0	1,223	0
2057	76	17,530	500	162	0	0	0	0	0	0	1,224	0
2058	76	17,530	500	162	0	0	0	0	0	0	1,224	0
2059	76	17,530	500	162	0	0	0	0	0	0	1,224	0
2060	76	17,530	500	162	0	0	0	0	0	0	1,224	0

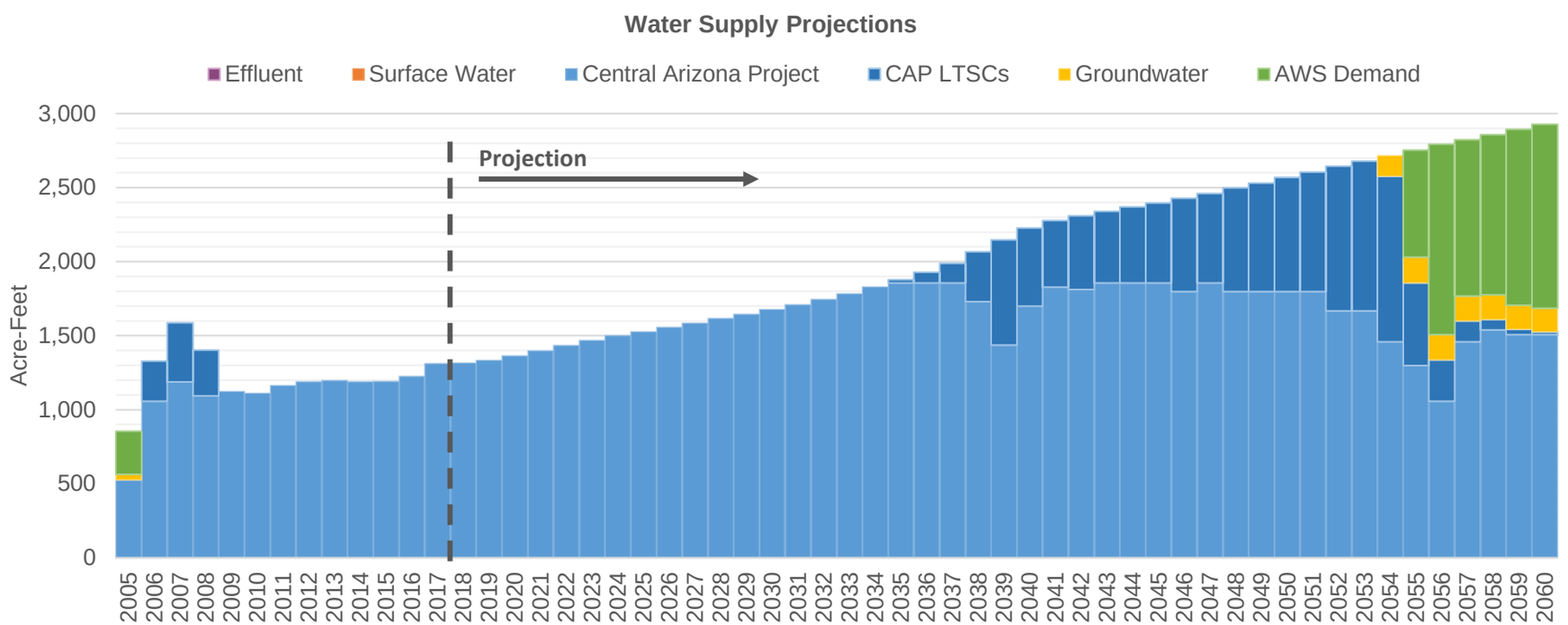
Central Arizona Project Service Area Model

VailWC

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

VailWC

F. Rapid, Outward, Very Dry Climate [LSCRBS]

7/15/20 9:31 AM

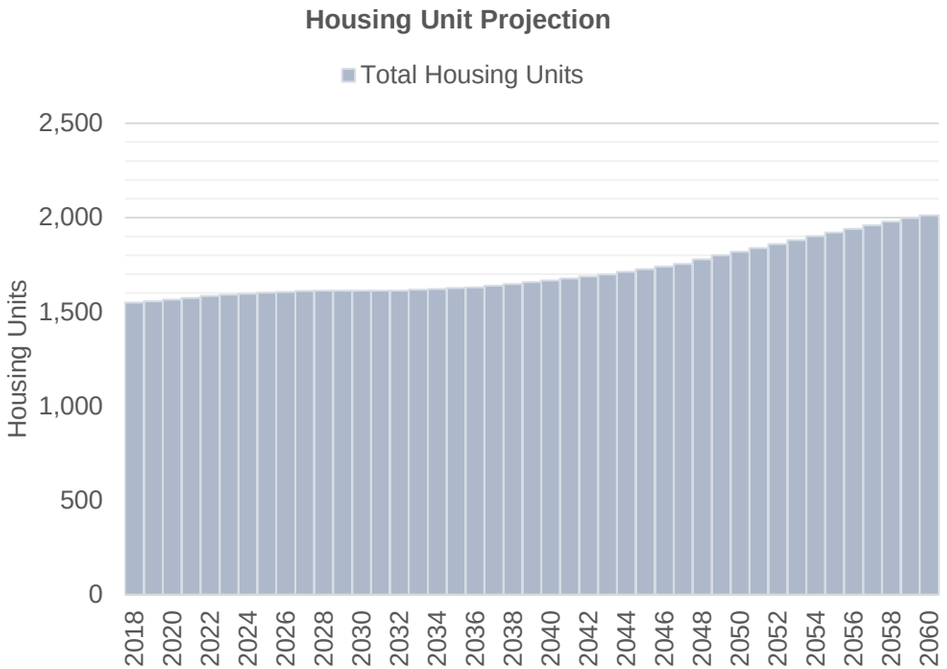
Demand Assumptions | **Water Supply Projections** (Acre-Feet)

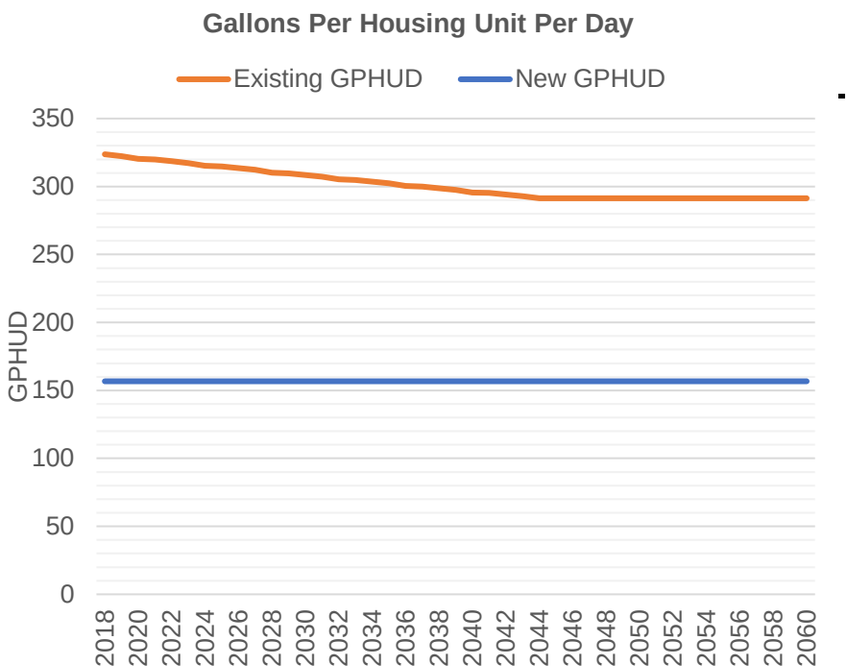
Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	3,032	392	207	0	0	0	0	1,317	540	0	0	0
2019	3,177	390	207	0	0	0	0	1,334	523	0	0	0
2020	3,345	388	207	0	0	0	0	1,365	492	0	0	0
2021	3,521	387	207	0	0	0	0	1,399	458	0	0	0
2022	3,698	386	207	0	0	0	0	1,435	422	0	0	0
2023	3,864	384	207	0	0	0	0	1,469	388	0	0	0
2024	4,005	382	207	0	0	0	0	1,500	357	0	0	0
2025	4,149	381	207	0	0	0	0	1,528	329	0	0	0
2026	4,295	380	207	0	0	0	0	1,556	301	0	0	0
2027	4,445	378	207	0	0	0	0	1,585	272	0	0	0
2028	4,597	376	207	0	0	0	0	1,616	241	0	0	0
2029	4,753	375	207	0	0	0	0	1,646	211	0	0	0
2030	4,912	374	207	0	0	0	0	1,677	180	0	0	0
2031	5,074	372	207	0	0	0	0	1,710	147	0	0	0
2032	5,247	370	207	0	0	0	0	1,745	112	0	0	0
2033	5,466	369	207	0	0	0	0	1,784	73	0	0	0
2034	5,689	368	207	0	0	0	0	1,830	27	0	0	0
2035	5,917	366	207	0	0	0	0	1,857	0	20	0	0
2036	6,151	364	207	0	0	0	0	1,857	0	71	0	0
2037	6,506	363	207	0	0	0	0	1,857	0	132	0	0
2038	6,868	362	207	0	0	0	0	1,730	0	337	0	0
2039	7,239	360	207	0	0	0	0	1,437	0	711	0	0
2040	7,576	358	207	0	0	0	0	1,699	0	529	0	0
2041	7,733	357	207	0	0	0	0	1,828	0	449	0	0
2042	7,893	356	207	0	0	0	0	1,811	0	498	0	0
2043	8,037	355	207	0	0	0	0	1,857	0	483	0	0
2044	8,169	353	207	0	0	0	0	1,857	0	513	0	0
2045	8,305	353	207	0	0	0	0	1,857	0	540	0	0
2046	8,445	353	207	0	0	0	0	1,797	0	632	0	0
2047	8,587	353	207	0	0	0	0	1,857	0	604	0	0
2048	8,742	353	207	0	0	0	0	1,797	0	702	0	0
2049	8,897	353	207	0	0	0	0	1,797	0	734	0	0
2050	9,055	353	207	0	0	0	0	1,797	0	771	0	0
2051	9,216	353	207	0	0	0	0	1,797	0	808	0	0
2052	9,374	353	207	0	0	0	0	1,668	0	977	0	0
2053	9,536	353	207	0	0	0	0	1,668	0	1,011	0	0
2054	9,702	353	207	0	0	0	0	1,459	0	1,118	140	0
2055	9,858	353	207	0	0	0	0	1,298	0	559	175	722
2056	10,003	353	207	0	0	0	0	1,056	0	279	172	1,286
2057	10,151	353	207	0	0	0	0	1,459	0	140	168	1,056
2058	10,303	353	207	0	0	0	0	1,539	0	70	166	1,083
2059	10,459	353	207	0	0	0	0	1,507	0	35	163	1,188
2060	10,565	353	207	0	0	0	0	1,507	0	17	161	1,243

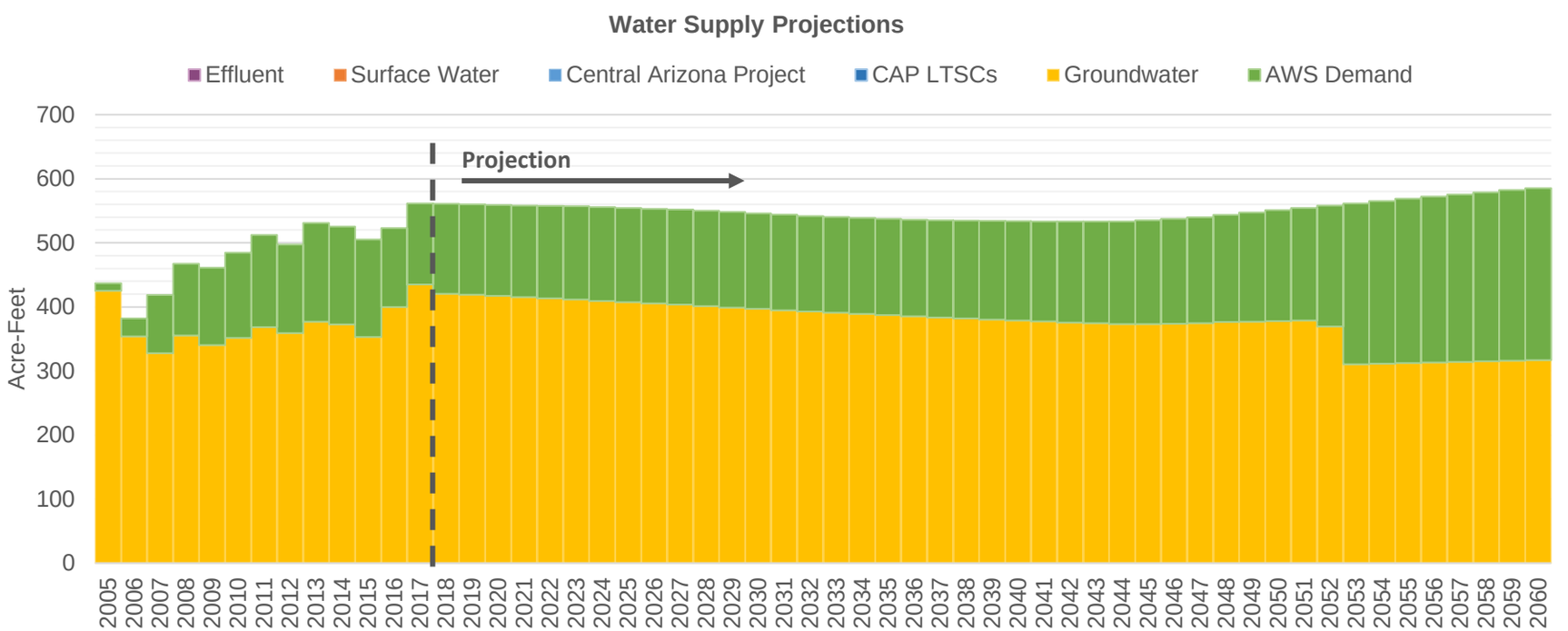
VoyagerWC

Central Arizona Project Service Area Model

F. Rapid, Outward, Very Dry Climate [LSCRBS]







Central Arizona Project Service Area Model

VoyagerWC

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7/15/20 9:31 AM

Demand Assumptions | **Water Supply Projections** (Acre-Feet)

Date	Housing Units	GPHUD		Effluent	Surface Water		Central Arizona Project				Groundwater	
	Total	Existing	New		SRP	Non-SRP	Direct	ASR	Storage	Recovery	Non-AWS	AWS
2018	1,549	324	157	0	0	0	0	0	0	0	421	141
2019	1,557	322	157	0	0	0	0	0	0	0	419	141
2020	1,565	320	157	0	0	0	0	0	0	0	417	142
2021	1,574	320	157	0	0	0	0	0	0	0	415	143
2022	1,584	319	157	0	0	0	0	0	0	0	413	144
2023	1,591	317	157	0	0	0	0	0	0	0	411	146
2024	1,596	315	157	0	0	0	0	0	0	0	409	146
2025	1,601	315	157	0	0	0	0	0	0	0	407	147
2026	1,606	314	157	0	0	0	0	0	0	0	405	148
2027	1,610	312	157	0	0	0	0	0	0	0	403	148
2028	1,612	310	157	0	0	0	0	0	0	0	401	149
2029	1,612	310	157	0	0	0	0	0	0	0	399	149
2030	1,612	309	157	0	0	0	0	0	0	0	397	149
2031	1,612	307	157	0	0	0	0	0	0	0	395	149
2032	1,612	305	157	0	0	0	0	0	0	0	393	149
2033	1,617	305	157	0	0	0	0	0	0	0	391	149
2034	1,621	304	157	0	0	0	0	0	0	0	389	150
2035	1,626	302	157	0	0	0	0	0	0	0	387	150
2036	1,630	300	157	0	0	0	0	0	0	0	385	151
2037	1,639	300	157	0	0	0	0	0	0	0	384	152
2038	1,648	299	157	0	0	0	0	0	0	0	382	153
2039	1,657	298	157	0	0	0	0	0	0	0	380	154
2040	1,667	296	157	0	0	0	0	0	0	0	379	155
2041	1,677	295	157	0	0	0	0	0	0	0	377	156
2042	1,687	294	157	0	0	0	0	0	0	0	376	158
2043	1,699	293	157	0	0	0	0	0	0	0	374	159
2044	1,713	291	157	0	0	0	0	0	0	0	373	160
2045	1,726	291	157	0	0	0	0	0	0	0	373	162
2046	1,740	291	157	0	0	0	0	0	0	0	374	164
2047	1,754	291	157	0	0	0	0	0	0	0	374	166
2048	1,779	291	157	0	0	0	0	0	0	0	376	167
2049	1,799	291	157	0	0	0	0	0	0	0	377	170
2050	1,819	291	157	0	0	0	0	0	0	0	378	173
2051	1,839	291	157	0	0	0	0	0	0	0	379	176
2052	1,859	291	157	0	0	0	0	0	0	0	370	189
2053	1,880	291	157	0	0	0	0	0	0	0	310	251
2054	1,901	291	157	0	0	0	0	0	0	0	311	254
2055	1,921	291	157	0	0	0	0	0	0	0	312	256
2056	1,940	291	157	0	0	0	0	0	0	0	313	259
2057	1,959	291	157	0	0	0	0	0	0	0	314	261
2058	1,978	291	157	0	0	0	0	0	0	0	315	264
2059	1,998	291	157	0	0	0	0	0	0	0	316	266
2060	2,012	291	157	0	0	0	0	0	0	0	317	269