

Issue Amount	Issue Description	Date of Final Official Statement	CUSIP No. of the Bonds		Captions Being Updated	Page No.
\$ 445,085,000	City of Phoenix Civic Improvement Corporation Junior Lien Water System Revenue Refunding Bonds, Series 2014B	12/03/14	71883RMZ3 71883RNA7 71883RNB5 71883RNC3 71883RND1 71883RNE9 71883RNF6 71883RNG4	71883RNH2 71883RNP4 71883RNQ2 71883RNJ8 71883RNK5 71883RNL3 71883RNN9 71883RNM1	Schedule of Forecasted Designated Revenues, Junior Lien Debt Service Requirements and Forecasted Junior Lien Debt Service Coverage (actual results for most recently completed fiscal year only) Appendix A - Summary Information of the City of Phoenix Water System	13 A-1

Issue Amount	Issue Description	Date of Final Official Statement	CUSIP No. of the Bonds		Captions Being Updated	Page No.
\$ 165,115,000	City of Phoenix Civic Improvement Corporation Junior Lien Water System Revenue Bonds, Series 2020A	03/26/20	71883RPR8 71883RPS6 71883RPT4 71883RPU1 71883RPV9 71883RPW7	71883RPX5 71883RPY3 71883RPZ0 71883RQA4 71883RQB2 71883RQC0	Schedule of Forecasted Designated Revenues, Junior Lien Debt Service Requirements and Forecasted Junior Lien Debt Service Coverage (actual results for most recently completed fiscal year only) Appendix A - Summary Information of the City of Phoenix Water System	14 A-1

Issue Amount	Issue Description	Date of Final Official Statement	CUSIP No. of the Bonds		Captions Being Updated	Page No.
\$ 228,015,000	City of Phoenix Civic Improvement Corporation Junior Lien Water System Revenue Bonds, Series 2020B (Sustainability Bonds)	03/26/20	71883RQD8 71883RQE6 71883RQF3 71883RQG1 71883RQH9 71883RQJ5	71883RQK2 71883RQL0 71883RQM8 71883RQN6 71883RQP1 71883RQQ9	Schedule of Forecasted Designated Revenues, Junior Lien Debt Service Requirements and Forecasted Junior Lien Debt Service Coverage (actual results for most recently completed fiscal year only) Appendix A - Summary Information of the City of Phoenix Water System	14 A-1

Issue Amount	Issue Description	Date of Final Official Statement	CUSIP No. of the Bonds	Captions Being Updated	Page No.
\$ 250,000,000	City of Phoenix Civic Improvement Corporation Junior Lien Water System Revenue Bonds, Series 2021A	05/18/21	71883RQR7 71883RRA3 71883RQS5 71883RRB1 71883RQT3 71883RRC9 71883RQU0 71883RRD7 71883RQV8 71883RRE5 71883RQW6 71883RRF2 71883RQX4 71883RRG0 71883RQY2 71883RRH8 71883RQZ9 71883RRJ4	Schedule of Forecasted Designated Revenues, Junior Lien Debt Service Requirements and Forecasted Junior Lien Debt Service Coverage (actual results for most recently completed fiscal year only) Appendix A - Summary Information of the City of Phoenix Water System	16 A-1

Issue Amount	Issue Description	Date of Final Official Statement	CUSIP No. of the Bonds	Captions Being Updated	Page No.
\$ 67,345,000	City of Phoenix Civic Improvement Corporation Junior Lien Water System Revenue Bonds, Series 2021B	05/18/21	71883RRK1 71883RRL9 71883RRM7 71883RRN5 71883RRP0	Schedule of Forecasted Designated Revenues, Junior Lien Debt Service Requirements and Forecasted Junior Lien Debt Service Coverage (actual results for most recently completed fiscal year only) Appendix A - Summary Information of the City of Phoenix Water System	16 A-1

**SCHEDULE OF FORECASTED DESIGNATED REVENUES,
 JUNIOR LIEN DEBT SERVICE REQUIREMENTS AND
 JUNIOR LIEN DEBT SERVICE COVERAGE
 (actual results for most recently completed fiscal year)**

Fiscal Year	Available for Junior Lien Obligations (Designated Revenues)	Debt Service on Outstanding Junior Lien Obligations	Junior Lien Debt Service Coverage
2025	\$ 379,218,107	\$ 135,634,000	2.80

APPENDIX A SUMMARY INFORMATION OF THE CITY OF PHOENIX WATER SYSTEM

ORGANIZATION AND ADMINISTRATION

The City's Water System (the "System") is operated as a financially self-supporting municipal utility service. It is organized as a functional division of the City's Water Services Department (the "Department"). The Department also contains the Wastewater System as a separate functional division that acts as a completely self-supporting utility service. The Department's authority and responsibility are derived from the Phoenix City Charter and City Council adopted ordinances and resolutions. The Department is required to prepare and submit an annual budget for the Water and Wastewater Systems to the City Council prior to the beginning of each fiscal year. The City Council is required to hold a public hearing on the proposed budget and a specified notice of this hearing must be given to any bondholder who requests such notice in writing. If for any reason a budget is not adopted, the budget of the preceding fiscal year shall apply. The City Council adopts both the water and wastewater budgets, establishes water and wastewater rate structures, and sets overall policy for the Department.

The Water Services Director currently reports to a Deputy City Manager. The Assistant Water Services Directors for Administration, Water, Wastewater, and Technical Services report to the Water Services Director.

Ginger Spencer, Assistant City Manager, was named Assistant City Manager for the City in December 2025. Previously, Ms. Spencer served as Director of the City's Public Works Department since 2017. During her 26 years of service with the City, Ms. Spencer has served in various leadership positions including Assistant Public Works Director, Deputy Public Works Director, Family Advocacy Center Director, Arts and Culture Administrator, and Special Assistant to the City Manager. Ms. Spencer serves on the board of directors for Phoenix Community Development & Investment Corporation, Arizona Science Center, and the Arizona City/ County Management Association. A native of Phoenix, Ms. Spencer holds a master of science in Public Policy and Management from Carnegie Mellon University, and a bachelor of arts in Spanish from Arizona State University. In 2022, Ms. Spencer was recognized as Who's Who in American Infrastructure and in 2021, Ms. Spencer was recognized by the American Public Works Association as one of the Top 10 Public Works Leaders in the nation.

Brandi Kelso, Water Services Director, Ms. Kelso was appointed Water Services Director in August 2025. Ms. Kelso has more than two decades of engineering and utility experience with the City, including recent leadership roles as Assistant Water Services Director and Interim Director of the Street Transportation Department. Previously she has led major initiatives in water system planning, hydraulic modeling, drought preparedness, and conservation. Ms. Kelso holds a bachelor's degree and master's degree in civil engineering from Arizona State University and is a licensed Professional Engineer in Arizona.

Nazario Prieto, Assistant Water Services Director - Wastewater, has over 23 years of civil engineering and management experience in the water and wastewater industry. In his current role, Mr. Prieto oversees the Wastewater Engineering, Wastewater Collection, and Wastewater Treatment Divisions. Prior to becoming an Assistant Water Services Director, he served as a Deputy Water Services Director for the Assets and Development Planning Division. He holds a bachelor's degree in Civil Engineering from the University of Texas at El Paso and is a licensed professional civil engineer in the State of Arizona.

Jim Swanson, Assistant Water Services Director – Technical Support, has over 33 years of water/wastewater operations, regulatory, water resources, and management experience across the water and wastewater industry. In his current role, Mr. Swanson oversees Technical Services, which includes the following divisions: Environmental Services, Assets and Development Planning, Infrastructure Records, and Process Control. These divisions manage various aspects of the Departments water quality compliance, regulatory compliance, water resources and conservation, development planning, master planning, safety and training, security, GIS records, and process control across the City's water and wastewater systems. Prior to becoming the Assistant Water Services Director, he served as Deputy Water Services Director over the Water Distribution Division and the Water Meter Division. Mr. Swanson holds a bachelor of science degree in Geology from Arizona State University, a grade 4 certified Water Distribution System Operator license, and a Water Treatment System Operator license from the State of Arizona.

FINANCIAL PLANNING AND WATER RATES DEVELOPMENT

Financial planning and water rates development are provided by the Finance Department in coordination with the Water Services Department. In addition, the Finance Department reviews the timeliness and accuracy of the billing services, provides all financial reporting and financial information, establishes financial policies, and recommends water rates and fees. Water rates are set to recover the direct and indirect costs of service.

In addition, the Water/Wastewater Rate Advisory Committee acts in an advisory capacity to the City Manager and City Council on water rate and fee structure. The committee is charged with annually reviewing the Department's Capital Improvement Program, revenue requirements and operations and maintenance budget as they impact future water and wastewater rates.

BILLING AND COLLECTION RESPONSIBILITY

The Water Services Department is responsible for a combined municipal services bill for water, sanitary sewer, solid waste services along with a jail tax, storm water management program tax, and other general applicable taxes. Water meters are read, and all accounts are billed monthly. Payment of a regular bill is due 21 days after the bill issuance date. If payment is not received within three days after the due date, a late payment charge is assessed to the outstanding account balance. All customers receive one notice of nonpayment indicating a pending turn-off if not paid. If the total amount due is not received within ten days from the date of notice of nonpayment, the process to discontinue water service to the premises begins and a turn-off fee of \$55.00 plus tax is charged to the customer's account. The total amount of the bill, including all fees, is collected before water service is restored.

Prior to the pandemic, the City began piloting flow restriction devices to provide a minimum amount of water for basic needs and hygiene in lieu of full shut-off. In response to the pandemic, full flow service was restored to all customers. Since COVID-19, Phoenix Water Customer Services deployed a Deferred Payment Arrangement Program for COVID-19 impacted customers. CARES Act and general fund assistance has also been offered to residential and commercial customers. The shut-off moratorium continues but is periodically reevaluated. When the moratorium is lifted, Water System will return to flow restricted service during summer months in lieu of shut-offs not to exceed three missed billing cycles.

The Department bills more than 456,170 water accounts in an approximately 543 square mile service area for a service population of approximately 1,673,164. The service area includes accounts both inside and outside the corporate limits of the city. Approximately 408,749 (89.60%) of the accounts are single-family residential, 12,122 (2.66%) are multi-family residential, and 35,299 (7.74%) are non-residential. For fiscal year 2024-25, the Department billed 121,334,625 centum cubic feet ("ccf") of retail water sales of which 59,325,200 ccf (48.89%) was delivered to single-family residential accounts, 17,633,779 ccf (14.53%) to multi-family residential accounts, and 44,375,646 ccf (36.57%) to non-residential accounts. The largest single customer is TSMC, which accounted for 1.87% of the total retail revenue. The top ten customers accounted for 5.502% of the total retail water revenue. Of the top ten customers, two are governmental entities.

WATER RATE STRUCTURE

Water rate schedules are adopted by the Mayor and City Council by ordinance, subject to certain statutory restrictions on rates charged to non-residents. Since 1974, water rates have been reviewed annually, in accordance with the Council’s adopted policy. The City’s principal consideration in adjusting water rates is to maintain the System’s operations as a completely self-supporting enterprise. In June, 2023, Phoenix City Council approved a 26% water rate increase over a three-year period with 6.5% effective October 2023, followed by an additional increase of 6.5% effective March 2024, and 13% effective March 2025.

The following table summarizes the effective dates of these adjustments and the corresponding annualized percentage change in water rate revenue:

<u>Effective Date</u>	<u>Annualized % Change in Water Rate Revenues</u> ⁽¹⁾⁽²⁾⁽³⁾
March 2, 2006	8.5
March 2, 2007	9.5
March 3, 2008	12.0
March 3, 2009	11.0
March 1, 2010	9.0
April 1, 2011	7.0
July 1, 2012	4.5
March 1, 2016	3.0
March 1, 2017	2.0
March 4, 2019	6.0
February 1, 2020	6.0
October 1, 2021	3.0
March 1, 2022	3.0
October 1, 2023	6.5
March 1, 2024	6.5
March 1, 2025	13.0

- (1) There were no rate revenue adjustments from 2013 through 2015 and 2018.
- (2) In June, 2023, Phoenix City Council approved a 26% water rate increase over a three-year period with 6.5% effective October 2023, followed by an additional increase of 6.5% effective March 2024, and 13% effective March 2025.
- (3) Phoenix City Council approved a reduction in the water allowance to 8 in the high months and 5 in the low months.

WATER SERVICES CHARGES

Metered Water Charges

The City’s current water rate structure, implemented in June 1990, is a seasonal uniform rate structure with a fixed monthly service charge that varies by the size of the meter. Included in the service charge to all accounts is 6 ccf per month (4,488 gallons of water) for the months of October through May and 10 ccf per month (7,480 gallons of water) for June through September.

In June 2023, Phoenix City Council approved a reduction to the allowed amount of water. Now, included in the service charge to all accounts is 5 ccf per month (3,740 gallons of water) for the months of October through May and 8 ccf per month (5,984 gallons of water) for June through September.

The seasonal rates charged for usage above that are split into three distinct seasons: summer (June-September), winter (December-March), and spring/fall (April-May and October-November). The summer months of June through September have the highest rate with the lowest rate charged in the winter months of December through March. The spring and fall months of April, May, October, and November have intermediate rates that transition customers between the high and low-rate seasons. The high summer rates are designed to encourage water conservation in the peak demand period. Under this rate structure, excluding those customers with very low water consumption, customers will pay more during the summer months when rates are higher and less during the winter, spring and fall months when rates are lower. Of the twenty largest cities in the nation, the average single-family monthly water bill in the City is the third lowest in terms of cost.

Environmental Charge

An environmental charge, which is assessed to recover the annual cost of complying with new environmental standards, was implemented on December 1, 1992. The current fee is \$0.62 per ccf effective February 1, 2020. The charge is indicated as a separate line item on the customer’s bill. Revenues from this charge are used to cover all operation, maintenance, replacement, administrative, and capital expense necessary for water treatment processes and facilities to meet federal, state, and county environmental regulations.

Raw Water Charge

In June 1994, a raw water charge was implemented to recover the costs associated with obtaining untreated water resources. The current fee is \$0.81 per ccf effective October 1, 2024. In June 2023, the City approved three raw water charge adjustments, with the most recent approved increase of \$0.53 effective October 1, 2023, \$0.81 in March 2024, and \$1.09 in March 2025. This charge is not indicated separately on the customer’s bill.

DEVELOPMENT OCCUPATIONAL FEE

The Development Occupational Fee was established in May 1982 to be applied to new water and wastewater service connections and to existing customers when the water meter size is increased, or additional meters are installed. The fee is currently \$600 for each single-family service connection and varies by meter size for other types of connections. The use of revenues from this fee is restricted to the funding of projects listed in the approved infrastructure financing plan adopted by City Council related to water and wastewater growth capital improvement projects or debt service on outstanding water and wastewater obligations issued for growth related purposes.

WATER RESOURCE ACQUISITION FEE

In July 2025, the City Council adopted a Water Resource Acquisition Fee (“WRAF”) to be applied to all new and existing service connections when the water meter size is increased, or additional meters are installed. The fee is based on the residential use, Single-Family Residential (“SFR”) or Multi-Family Residential (“MFR”), meter size, and location of the development within the city. The fee ranges from \$0 in the On-Project area (as defined under “SOURCES OF WATER SUPPLY”) and \$2,009 for a similar meter for Off-Project areas (as defined under “SOURCES OF WATER SUPPLY”). Revenue from this fee is restricted to recover costs for the acquisition of new water supplies to support growth and projects that reduce water demand.

RESIDENTIAL WRAF

Service Area	Per Equivalent Dwelling Unit (EDU)			Per Dwelling Unit (DU)		
	Gross	Offset	Net	SFR ≤1"	SFR 1 1/2"	MFR
<i>EDU Factor</i>				<i>1.00</i>	<i>2.18</i>	<i>0.36</i>
Off-Project	\$2,009	\$0	\$2,009	\$2,009	\$4,380	\$723
On-Project	\$0	\$0	\$0	\$0	\$0	\$0

DEVELOPMENT IMPACT FEE

Water Development Impact Fees began to be established at various times in growth areas beginning in the late 1980s and are applied to new and existing water service customers when the water meter size is increased, or additional meters are installed. In July 2025, the Phoenix City Council approved an impact fee schedule change. The fees charged are dependent on the service area. There are separate charges for water transmission and water treatment. The current meter fees range from \$1,959 to \$14,302. Fees for other meters vary according to size and maximum capacity. The fee is collected at the time the developer pays for building permits. Developers may be given Development Impact Fee credits or pay reduced fees if capital projects are constructed and contributed by the developer that typically are the responsibility of the city. The use of revenues from this fee is restricted to the funding of projects listed in the approved infrastructure financing plan adopted by the City Council. The financing plans are related to water and wastewater growth capital improvement projects, or debt service on outstanding water and wastewater obligations issued for growth related purposes.

WATER TRANSMISSION IMPACT FEE SCHEDULE, RESIDENTIAL

Service Area	(per EDU)			(per DU)		
	Gross	Offset	Net	SFR ≤1"	SFR 1 1/2"	MFR
<i>EDU Factor</i>				1.00	2.18	0.36
Northwest	14,302	256	14,046	14,046	30,620	5,057
Deer Valley	14,302	256	14,046	14,046	30,620	5,057
Northeast	14,302	256	14,046	14,046	30,620	5,057
Paradise Ridge	14,302	256	14,046	14,046	30,620	5,057
Estrella North	1,959	256	1,703	1,703	3,713	613
Estrella South	1,959	256	1,703	1,703	3,713	613
Laveen West	1,959	256	1,703	1,703	3,713	613
Laveen East	1,959	256	1,703	1,703	3,713	613
Ahwatukee	1,959	256	1,703	1,703	3,713	613

WATER TREATMENT IMPACT FEE SCHEDULE, RESIDENTIAL

Service Area	(per EDU)			(per DU)		
	Gross	Offset	Net	SFR ≤1"	SFR 1 1/2"	MFR
<i>EDU Factor</i>				1.00	2.18	0.36
Northwest	5,905	1,518	4,387	4,387	9,564	1,579
Deer Valley	5,905	1,518	4,387	4,387	9,564	1,579
Northeast	5,905	1,518	4,387	4,387	9,564	1,579
Paradise Ridge	5,905	1,518	4,387	4,387	9,564	1,579
Estrella North	5,905	1,518	4,387	4,387	9,564	1,579
Estrella South	5,905	1,518	4,387	4,387	9,564	1,579
Laveen West	5,905	1,518	4,387	4,387	9,564	1,579
Laveen East	5,905	1,518	4,387	4,387	9,564	1,579
Ahwatukee	5,905	1,518	4,387	4,387	9,564	1,579
Balance of the City	5,905	1,518	4,387	4,387	9,564	1,579

CONNECTION FEE

The City Code requires the city to assess a fee to new services to recover the cost of meters and service line installations. The fee charged varies depending upon meter size and the extent of installation work required.

UTILITY REPAYMENT AGREEMENTS

The city may enter into a utility repayment agreement with a developer in instances where a developer pays for major water facilities to expedite the completion of these facilities. The funding source for current repayment agreements is Development Occupational Fee previously described. These agreements typically have a limited number of years for repayment and are based upon the availability of Development Occupational Fee revenues.

WATER RESOURCES

The City's water supply is expected to be more than adequate to meet current and future demand. The City actively manages its water supply and demand with the use of a resource planning strategy, a water conservation program, and a comprehensive Drought Management Plan.

In 1980, the Arizona Groundwater Management Act (the "Act") was enacted by the State Legislature. The Act designates the

Phoenix area as one of four Active Management Areas. Regulations under the Act required a 6% reduction in per capita water consumption from 1980 levels to 251 gallons per capita per day (“gpcd”) by 1987, and maintenance of that level through 1990 under what is termed the first management plan. The second management plan required by the Act mandated further reductions to 237 gpcd by 1995 and 224 gpcd by 2000. Additionally, the Act requires a gradual elimination of groundwater use in excess of that recharged, by 2025. The City is in compliance with the Act.

The Arizona Department of Water Resources (“ADWR”) published a fifth management plan in 2022, which established a water use target of 194 gpcd for the City beginning January 1, 2025. The City’s water usage remains below the 2023 target of 194 gpcd. In addition, the Act requires the ADWR to designate the adequacy of each municipality or water provider’s water supply to support proposed development. The Water Services Department is currently engaged in the process of updating its 100-year Assured Water Supply, a process that is repeated by the ADWR every 15 years. This submittal is in progress with an expected re-designation from the ADWR by December 31, 2026.

In response to the Act’s requirements, the City has maintained a Water Resources Plan, (the “Plan”) that was first completed in 1985. The Plan provides guidance for water acquisition, water management and infrastructure actions necessary to ensure sustainable water availability for current customers and anticipated growth over the next 50 years. The Plan outlines the water conservation and water resource development actions necessary during both normal and drought conditions. The Plan was updated in 1987, 1990, 1995, 2000, 2005, 2011, and in 2021. The Plan was updated in 2025.

The following table presents the water supply that was available in calendar year 2024 along with the demand for that year. The table also provides forecasted water supply and demand in calendar years, 2025 through 2060 based upon the City’s current water rights. Current and forecasted water supply exceeds forecasted demand throughout the forecast period. Figures are presented in acre-feet (“AF”).

	<u>2024</u>	<u>2025</u>	<u>2030</u>	<u>2040</u>	<u>2050</u>	<u>2060</u>
On-Project Supply (1)	354,020	354,619	394,491	432,774	432,774	432,774
Off-Project Supply (2)	181,137	181,137	202,062	202,062	202,062	202,062
Groundwater Supply	36,995	36,995	36,995	36,995	36,995	36,995
Intermittent Supply (3)	<u>57,300</u>	<u>57,300</u>	<u>57,300</u>	<u>57,300</u>	<u>57,300</u>	<u>57,300</u>
Total Supply	<u>629,452</u>	<u>630,051</u>	<u>690,848</u>	<u>729,131</u>	<u>729,131</u>	<u>729,131</u>
Demand	312,000	315,000	325,000	340,000	360,000	375,000

- (1) The On-Project supply reflects the total supply available to the City from the Salt River Project; however, the City can only use the amount required to meet demands within the boundaries of the Salt River Valley Users’ Association (“On-Project”).
- (2) For planning purposes, Off-Project supply includes water rights from the Central Arizona Project.
- (3) For forecast purposes, the Other Surface Water supply is capped at 57,300 AF even though this supply may be higher in any given year. Other Surface Water supply includes Verde River gate water, Roosevelt Dam new conservation space, and water from the Roosevelt Irrigation District.

The City uses reclaimed wastewater in lieu of other water supplies whenever possible. In calendar year 2024, the City produced approximately 152,368 AF of reclaimed wastewater at its wastewater treatment plants. The majority of the reclaimed wastewater was used by the Palo Verde Nuclear Generating Station for cooling reactors, and by the Roosevelt Irrigation District and Buckeye Irrigation Company to irrigate crops. Future development of reclaimed water includes serving potable and non-potable uses through advanced water purification.

The City has been proactive securing and managing other water sources. The City has participated in water rights settlements with the Salt River Pima Maricopa, Fort McDowell, and Gila River Indian Communities from which it has leased or been assigned approximately 22,323 AF of Central Arizona Project Water annually. In addition to the groundwater supply listed above, the City has recharged excess supplies and as a result has accumulated long-term storage credits of 649,040 AF and groundwater allowance credits of 3,699,500 AF that can be accessed, if needed, by adding wells and additional distribution methods to the System. Also, the Arizona Water Banking Authority has stored 1,966,171 AF of water underground for drought protection in the Phoenix Active Management Area, of which the City would receive allocations if needed.

WATER CONSERVATION PROGRAM

In 1986, the City Council approved a comprehensive Water Conservation Plan, which identified conservation programs that are effective in saving water, cost beneficial, and publicly supported. The City Council approved an update of the plan in January 1999. Under the Water Conservation Plan, conservation activities are focused around five program areas: education and public awareness; technical assistance; regulation; planning and research; and interagency and intra-City coordination.

(1) Education and public awareness programs consist of school and public education efforts. These efforts involve the distribution of classroom materials, water issue training, advertising, and providing books for schools and public libraries. The City also distributes literature on conservation and conducts seminars regarding desert landscaping and irrigation practices.

(2) Technical assistance includes retrofitting houses and apartments with low flow plumbing, auditing of commercial property water use, and conducting design review for new facilities.

(3) Regulation involves monitoring peak summer water demand on large turf facilities to assure compliance with water allotments. The conservation program also monitors compliance with the City plumbing code.

(4) Planning and research are an ongoing element of the program to determine more effective technologies and program elements to save water in a cost-effective way.

(5) Interagency and intra-City coordination involves working with national and local efforts to define how water is currently used, and the development of effective conservation measures for use in the City.

In 2019, the City Council convened an Ad Hoc Water Conservation Committee to evaluate the effectiveness of current water conservation programs and examine whether additional conservation measures were necessary. In late 2019, the City Council adopted the recommendations of the Ad Hoc Water Conservation Committee to add or expand 12 new conservation initiatives. This included the addition of new staff and a Conservation Coordinator, which was accomplished in 2021. Phoenix further expanded the conservation programs to include efficiency checkups, which began in fall 2023, and phased in turf removal incentives which began in spring 2024. These changes resulted in the addition of more staff for implementation.

DROUGHT MANAGEMENT PLAN

The City first adopted a Drought Management Plan in January 1991 to provide measures that would be taken in the event of water supply shortages during a drought. The Drought Management Plan was updated in 2015 and reaffirmed in 2021 with updates to Chapter 37 Article X. The Drought Management Plan allows for the unrestricted use of recycled water during a water shortage, and the implementation of the Drought Management Plan on a non-citywide basis to address localized shortages and appeals on water restrictions for best practices in commercial and industrial water use.

The Drought Management Plan also provides for four stages of voluntary and involuntary demand reduction activities in the event of a drought. The main focus of the Drought Management Plan is the use of a surcharge on water rates. The Water Services Director can institute this surcharge in a declared drought to cover costs for more expensive alternative water supplies, to provide demand reduction assistance to customers, and to offset revenue lost during periods when water consumption is declining.

A stage one alert requires the City to provide public information on the drought and requests voluntary demand reductions from water users. Stages two through four calls for increased public information, mandatory water demand reductions, and an increasing drought surcharge to reduce water demands to meet supply levels and maintain the revenue base. Since the implementation of the Drought Management Plan, a stage one alert was required in 1991 and in 2003, when the Salt River Project reduced deliveries of raw water to the City by one-third. In January 2005, Salt River Project restored deliveries back to normal levels due to winter rains that filled the Salt and Verde Rivers' reservoirs. On April 15, 2005, the City lifted the stage one alert.

A stage one alert was issued in 2022 due to anticipated reduction in Colorado River water supplies and has since remained in effect. Under a Stage 1 Water Alert declaration, Phoenix increased public education and outreach to give customers an understanding of the situation and educate them on why voluntary water conservation ensures a sustainable future for everyone.

During the early stages of stressed water supplies, Phoenix asks its customers to voluntarily evaluate and reduce their water use in ways that will have minimal impact on their lifestyles. At this time, there are no mandatory water reductions or restrictions.

WATER SYSTEM - FACILITIES

Raw water is presently treated at five facilities located adjacent to the Central Arizona Project Hayden- Rhodes Aqueduct and Salt River Project canals. The capacity in million gallons per day (“*mgd*”) of the plants, including active well capacity, is indicated below:

Water System Facilities	Total Treatment Capacity (mgd)
Union Hills Plant	160
Lake Pleasant Plant	80
24th Street Plant	140
Deer Valley Plant	100
Val Vista Plant (1)	130
Groundwater (2)	<u>36</u>
Total	<u>646</u>

- (1) The Val Vista Water Treatment Plant is jointly owned by the cities of Phoenix and Mesa with a treatment capacity of 220 mgd, of which the City owns 130 mgd.
- (2) There are 18 active wells some of which will be upsized, additional wells are currently being rehabilitated, and 13 new wells will be in operation by 2027 and in compliance with Federal standards, which became effective in 2006.

The System also includes the Cave Creek Water Reclamation Plant (“*WRP*”) that became operational in December 2001 with an initial capacity of 8 mgd. The plant provided additional water resources through the use of recycled wastewater for irrigation of turf facilities larger than five acres in the service area and groundwater recharge in the northeast area of the City. Due to lower wastewater flows resulting from economic conditions, the plant was shut down in October 2009 until flows return to higher levels. The plant treatment process is not operationally efficient at these lower flows. Flows are bypassed to the 91st Avenue Wastewater Treatment Plant, where sufficient capacity exists to process the additional load. During the shutdown of the plant, turf facilities previously using reclaimed water from the Cave Creek WRP will be delivered potable water. This temporary change results in more efficient operation of the wastewater system.

In addition to the major treatment and reclamation facilities, the System maintains other supplemental facilities. Storage capacity for treated water in ground reservoirs and elevated tanks total over 476 million gallons to meet peak-day demand. Approximately 7,161 miles of water mains make up the transmission and distribution system. These mains range in size from 2 inches to 108 inches in diameter. Approximately 24.5% of the mains have been installed since 2000. To maintain static pressure range of 60 to 100 pounds per square inch throughout 76 pressure zones, there are 110 booster stations, and 94 pressure reducing sites. Public fire protection inside the water utility service area is provided by approximately 56,852 fire hydrants. In addition, the system has over 9,400 active fire connections to commercial, governmental, and industrial customers. Lost and unaccounted for water is at a 3-year average of 9.5%, which is below the industry standard of 10.0%

REGULATORY REQUIREMENTS

The quality of treated water produced by the System meets all chemical, radiological, and bacteriological standards set by the Federal Government, and the State of Arizona. The Federal regulations are the responsibility of the U.S. Environmental Protection Agency and serve as guidelines for the State agencies to use as minimum drinking water quality standards. State water quality standards are promulgated by the Arizona Department of Environmental Quality and must be at least as stringent as the Federal regulations. The System is in compliance with all current regulations. Many future regulatory guidelines that are currently proposed but not finalized will require additional studies, design efforts, and construction of new facilities. The Department has planned adequately to monitor and develop a means to comply with these future regulations.

SOURCES OF WATER SUPPLY

The City’s sources of water supply include surface water from the Salt River and Verde River watersheds, groundwater delivered through the Salt River Project (“*SRP*”), Colorado River water delivered through the Central Arizona Project (“*CAP*”), and groundwater from City wells located within the System’s service area. The city operates the System to maximize the use of the least expensive supply sources.

Surface Supply from the Salt River Project

The SRP was organized in 1903 to supply irrigation water to approximately 240,000 acres of farmland in and around the city. Water supply is obtained from the runoff of 13,000 square miles of mountain watershed, the collection and storage of which is provided for by six major reservoirs having a combined capacity of over 2.3 million AF (749 billion gallons). The reservoirs are contained behind the Theodore Roosevelt, Horse Mesa, Mormon Flat, and Stewart Mountain Dams on the Salt River, and the Bartlett and Horseshoe Dams on the Verde River.

Most of the water obtained from the SRP system can be delivered by Phoenix only to lands with legal rights to that water. Under the Kent Decree of 1910, lands located within the area of the SRP have rights to the surface flow water of the Salt and Verde Rivers (“*On-Project*”). Arizona water rights within the Salt River Project area are held to be appurtenant to such lands. As a result, landholders in the city and the surrounding areas that are located within the boundaries of the Salt River Project are provided with a stable water supply from this source. Lands outside the SRP area do not have access to SRP water rights and are referred to as (“*Off-Project*”).

The city presently obtains approximately 60% of its water supply through agreements with the SRP. These agreements provide for delivery to the City of water rights for land converted from agricultural to urban uses. As land located in the System’s service area of the SRP is converted to urban use, the water supply formerly used for agricultural irrigation of the converted land becomes available to the city to supply domestic and industrial uses. The city pays the SRP for water assessments of urbanized lands and takes delivery of the water at its water treatment plants. The Salt River Valley Water Users’ Association determines transportation charges for all types of water delivered to the city by the SRP. The original contract was signed in 1952 for a 25-year term and a second 25-year term was negotiated in 1977. A new 100-year contract that provides substantially the same provisions as the previous contract was approved by the City Council in 2001.

During periods when the dams cannot contain flows from the Salt and Verde Rivers, (“*spill water*”) results. Spill water is free to the city. Spillway gates installed on Horseshoe Dam and financed by the City, in accordance with an agreement with the SRP, resulted in additional storage water in the Horseshoe Reservoir.

The water stored behind the Horseshoe gates is known as (“*Gateway*”) and provides an additional supply of water to the city at nominal cost. Both Gateway and spill water can be used in the Off-Project areas resulting in significant cost savings over the more expensive supply alternatives. The city also participated in financing modifications to Roosevelt Dam as part of the 1986 Plan Six Funding Agreement (see “Plan Six Funding Agreement” on page A-12 for further details), which were completed in 1995. Because of these modifications, the city receives a supply of water known as New Conservation Space (“*NCS*”) water that can also be used Off-Project. Historically, the amount of Gateway and spill water available to the City of Phoenix has varied considerably from year to year.

The following table shows AF and payments for Salt River Project water obtained for the ten-year period ending December 31, 2025:

Water Obtained from Salt River Project

<u>Year</u>	<u>Total Water Obtain From Salt River Project (Acre-Feet)</u>	<u>Amount Paid</u>	<u>Paid Per Acre-Foot</u>
2016	148,100	3,064,910	20.69
2017	150,000	3,315,436	22.10
2018	148,741	3,356,709	22.57
2019	134,314	3,623,382	26.98
2020	145,405	4,309,882	25.88
2021	156,787	5,337,610	27.66
2022	150,986	5,844,387	35.43
2023	152,278	6,489,711	38.59
2024	155,810	6,170,076	39.60
2025 (1)	150,473	5,958,730	39.60

(1) Preliminary and subject to change based on final reporting from SRP.

Agricultural Exchange for Reclaimed Wastewater

In 1995, the city began to take advantage of an additional water supply, which is the result of an agricultural exchange of treated wastewater for surface water. The 23rd Avenue Wastewater Treatment Plant treats wastewater to standards suitable for use on edible crops and delivers up to 30,000 AF per year (“AF/Y”) to the Roosevelt Irrigation District (“RID”). In turn, RID delivers an equivalent amount of groundwater to the Salt River Project, which then provides surface water to the city for use anywhere within the System. Additional exchanges occur with the Salt River Pima Maricopa Indian Community (“SRPMIC”) as part of a water rights settlement as described below. This additional water supply resulting from the agricultural exchange of treated wastewater for surface water is dependent on the annual SRP surface water allocated deliveries to the city. The net result of all the exchange agreements is an increase in the City’s water supply of up to 30,000 AF/Y. From 2021 to 2024, Phoenix has received an average of 19,293 AF of exchange water at \$58.59 per AF, reimbursing RID for their cost of operations, maintenance, and repair of leased SRP wells.

Surface Supply from Central Arizona Project

Beginning in fiscal year 1986-87, Colorado River water became available from the CAP. This was the result of construction of the Colorado River following the June 1963 United States Supreme Court decision which ended 11 years of litigation among the states of Arizona, California, and Nevada over Colorado River water rights: and the passage of the Colorado River Basin Project Act of September 30, 1968, authorizing the construction of the CAP. In the late 1970s the City requested an allocation of Colorado River water from the Secretary of Interior to provide a reliable water supply for Off-Project lands that did not have SRP water rights other than gate water and spill water. This water is delivered from Lake Havasu through the Hayden-Rhodes Aqueduct section of the CAP, a distance of approximately 190 miles. The City’s allocation of Colorado River water is used primarily for its Off-Project service area.

The City’s current long-term subcontract for Colorado River Municipal and Industrial (“M&I”) water is for 130,004 AF/Y. The city has access to additional Colorado River water through 100-year leases with several Indian Communities. Beginning in 2000, the SRPMIC Water Rights Settlement provides the city access to 3,023 AF/Y of leased Colorado River water. The Fort McDowell Indian Community Water Rights Settlement lease, effective in 2001, grants the City access to 4,300 AF/Y of Colorado River water, and the Gila River Indian Community (“GRIC”) Water Rights Settlement Agreement provides access to an additional 15,000 AF/Y. The SRPMIC settlement also provides the city with 1,136 AF/Y of agricultural-priority Colorado River water, and 4,751 AF/Y of high-priority mainstem Colorado River water delivered through the CAP system. Lastly, the city has access to an additional 36,144 AF/Y of agricultural priority Colorado River water which was transferred from the Hohokam Irrigation District in place of water the city would have received from the Cliff Dam storage, which was not constructed. Under the 2004 Arizona Water Rights Settlement Act, this water is converted to the higher M&I priority status in 2044 and beyond.

On February 11, 2009, the City Council authorized the City Manager to enter into the White Mountain Apache Tribe Water Quantification Agreement (the “*Quantification Agreement*”). Under the terms of the Quantification Agreement, the City will lease 3,505 AF/Y of the White Mountain Apache Tribe’s Colorado River water for a 100-year term. The one-time cost to the City will be approximately \$12 million from the Water Resource Acquisition Fund, part of the Water Capital Improvement Plan, and due within 30 days of the enforceability date of the lease, which is expected to be post 2026. The city will pay CAP the annual delivery rate at the time of delivery of the water.

Colorado River water is treated primarily at the Union Hills Water Treatment Plant, which was completed in June 1986. The initial maximum capacity of 80 mgd was expanded to 160 mgd in 1992. The City has since completed construction on the Lake Pleasant Water Treatment Plant. In April 2007, the facility started treating Colorado River water at an initial maximum capacity of 80 mgd. Colorado River water also can be treated at other water treatment plants through the Interconnect Facility. The Interconnect Facility connects the CAP canal with the SRP canals, which allows the City to use more Colorado River water during SRP shortages.

The Central Arizona Water Conservation District (“CAWCD”), the controlling agent for the CAP system in Arizona, sets the rates, collects the revenue from the users and pays the CAP expenses. All M&I users pay for operation and maintenance, and replacement costs based on the water ordered each year. In addition, users pay an energy component on all water received through CAP. The M&I rate for 2025 was \$295/AF. The rate increased to \$309/AF for 2026 and is forecasted to be \$323/AF for 2027.

The CAWCD has an obligation to the United States Department of the Interior for repayment of capital costs of construction of the CAP. The obligation is evidenced by a master repayment agreement between the CAWCD and the Department of the Interior. The CAWCD repayment obligation was reduced from over \$2 billion to \$1.65 billion as a result of a settlement between the United States and CAWCD over the amount of the repayment obligations and repayment terms. The settlement provided that 73% of the repayment obligation bear interest at the rate of 3.342% per annum on the unpaid balance, and 27% of the repayment obligation be non-interest bearing. The repayment will take place over a period of 50 years with the final payment in 2046. The repayment amount was offset through 2019 by revenue collected from power generation before calculating the net capital charge rate to the

users, such as the City of Phoenix. As of 2020, there is no offset. The charge to the City of Phoenix averaged \$1.8 million per year for years 2009 through 2014. The charge was \$2.7 million in 2015, \$2.8 million in 2016, 3.8 million in 2017, \$5.5 million in 2018, \$5.0 million in 2019, \$8.6 million in 2020, and \$9.1 million in 2021. The charge was \$8.4 million in 2022 and 2023, \$7.0 million in 2024, \$8.7 million in 2025 and is estimated at \$9.3 million for 2026.

On October 1, 2014, the City Council authorized the City Manager to enter into Intergovernmental Agreements (“IGAs”) between the City, the City of Tucson (“Tucson”), and the Metropolitan Domestic Water Improvement District (“Metro Water”) to develop a pilot program for storage, recovery, and exchange of Colorado River water.

Under the terms of the IGAs, the City, which relies heavily on surface water supplies, will store a portion of its unused Colorado River water in recharge facilities owned by Tucson, and Metro Water located in the Tucson Active Management Area, which is primarily dependent on wells and groundwater. In the future, Tucson and Metro Water will recover the stored water on behalf of the City and use it in exchange for ordering a like amount of their Colorado River water for direct delivery to the City’s water treatment plants adjacent to the CAP aqueduct. The IGAs provided for a short-term pilot program under which the City stored 1,000 AF in 2015 (850 AF in Tucson’s Southern Avra Valley Storage and Recovery Project, and 150 AF in Metro Water’s Avra Valley Recharge Project) to determine the administrative and institutional feasibility of developing a large-scale program in the future. In early 2016, the two cities amended the agreement to increase the amount of storage allowed during the pilot. Following the pilot, the agreement was further amended in September 2016 to increase the amount of water stored in 2017 to 50,000 AF. The city stored 40,000 AF in 2017 and 2018, 34,970 AF in 2019, 42,377 AF in 2020. The amount of water stored in 2021 was 44,709 AF. The city stored 17,059 AF in 2022, 6,600 AF in 2023, 26,000 AF in 2024. Estimates are 27,200 AF in 2025 and 3,800 AF in 2026.

The agreement with the City of Avondale functions in a similar way. Phoenix will store a portion of its unused entitlement of Colorado River or New Conservation Space water in the Avondale Wetlands USF and obtain long-term storage credits. Avondale is entitled to a certain volume of Colorado River water through a Subcontract among the United States, the Central Arizona Water Conservation District, and the City of Avondale. Under the IGA, Avondale will take delivery of recovered Phoenix water from the Avondale Wetlands USF in exchange for the delivery to Phoenix of a like amount of Avondale’s Colorado River water. Phoenix stored approximately 5,200 AF of NCS in Avondale in 2022, 4,885 AF of NCS in 2023 and 4,200 AF of NCS in 2024. Estimates are 4,200 AF of NCS in 2025 and 3,500 AF of NCS in 2026.

On March 7, 2018, the City Council authorized the City Manager to enter into an intergovernmental agreement with the Salt River Valley Water Users’ Association for the use of its wells during Colorado River shortage conditions. Through the agreement, Phoenix purchased a right-of-first refusal to 20,000 AF of the Association’s well pumping capacity. The Association’s wells can be used to recover long-term storage credits that could then be delivered through the SRP canal system to Phoenix’s surface water treatment plants.

The following table shows the AF and payments for CAP water obtained for the ten-year period ending December 31, 2025:

Water Obtained from Central Arizona Project

<u>Year</u>	Total Water Obtain From CAP <u>(Acre-Feet)</u>	<u>Amount Paid</u>	Paid Per Acre-Foot
2016	137,300	24,915,992	181.47
2017	184,381	32,974,685	178.84
2018	186,924	33,698,113	180.63
2019	181,677	35,042,835	192.89
2020	184,914	34,269,112	185.32
2021	184,861	32,720,397	192.00
2022	158,912	30,511,104	192.00
2023	131,137	28,456,729	217.00
2024	131,137	35,406,990	270.00
2025 ⁽¹⁾	131,137	38,685,415	295.00

(1) Preliminary and subject to change based on final reporting from CAP.

Colorado River Supply

Based on current hydrological conditions, a Tier 1 shortage was declared for 2025. The effect on Phoenix water supplies is minimal. The reduction will result in Phoenix storing less water underground for future use and have no effect on the water supplied to customers in the service area. Shortage declarations under the current operating guidelines on the Colorado River will not affect Phoenix's ability to meet its customers' demands due to substantial entitlements, Phoenix's high priority rights, alternative supply, and banked water.

Arizona Entitlement. Under guidelines adopted by the Secretary of the Interior in 2007 and congressional action on the Drought Contingency Plan in 2019, the reservoir elevation at Lake Mead is the determining factor in the timing and magnitude of an official declaration of water supply shortage on the Colorado River system. There are multiple tiers of shortage that would be shared by Arizona, Nevada, California, and Mexico. Arizona's annual entitlement to Colorado River water in non-shortage years is 2.8 million AF. Of the 2.8 million AF, about 1.5 million AF is delivered through the CAP. Arizona's Colorado River entitlement under the eight tiers of shortage would be reduced by between 192,000 AF and 720,000 AF. The Bureau of Reclamation issued a Notice of Intent to prepare a Supplemental Environmental Impact Statement in October 2022 which could lead to altering and reducing the water available under the existing shortage guidelines. It is unknown at this time if any additional reductions will be declared for Colorado River deliveries to shareholders in 2026.

City of Phoenix Supply and Demand. The City holds rights to an annual volume of 194,357 AF of Colorado River water delivered through the CAP. Of this volume, 153,127 AF is made up of high priority supply within the CAP. The City's entitlement to Colorado River water could be cut in the coming years under the new Post-2026 Operating Guidelines; however, the City only uses approximately two-thirds of its Colorado River water entitlement to meet current demands, meaning that a generous buffer exists between supply and demand. City's annual use of Colorado River water to meet its customers' demands has not exceeded 150,000 AF in recent years, and water conservation efficiencies are expected to continue.

Alternative Supply and Banked Water. If shortages occur that impact Colorado River supplies under current operating guidelines, all remaining Colorado River supplies, coupled with City's alternative supplies (Gateway, New Conservation Space water and recoverable long-term storage credits) are expected to be sufficient to meet all of its customers' needs through 2040, even under a high- growth scenario with a shortage declaration in every year. Should drought conditions worsen, causing the elevation at Lake Mead to fall below 1,025 feet, it may be necessary for the Secretary of the Interior to declare a shortage that exceeds the shortages described above. The City has prepared for this contingency by developing transmission mains and pump stations that allow the City to pump alternative water supplies from the Salt and Verde River system as well as recovered long-term storage credits to areas in the northern portion of the City that are currently dependent on Colorado River supplies. This infrastructure is now in operation.

Plan Six Funding Agreement

The 1986 Plan Six Funding Agreement provided for a cost-sharing arrangement for the Plan Six water storage facilities for surplus water from the CAP. The parties to the Plan Six Funding Agreement included the United States Government, the State of Arizona, the CAWCD, the Maricopa County Flood Control District, the SRP, the City, and the cities of Chandler, Glendale, Mesa, Scottsdale, Tempe, and Tucson. The main elements of Plan Six Funding Agreement include the construction of the new Waddell Dam on the Agua Fria River, modifications to Roosevelt Dam and Stewart Mountain Dam and construction of the Cliff Dam on the Salt River. In 1987, the Cliff Dam project was removed from the plan. In 1993, the Hohokam Irrigation District transferred to the City Colorado River water rights of 36,144 AF/Y to replace the loss associated with the Cliff Dam. The City contributed a total of \$32 million for improvements to the facilities.

Groundwater Supply

The City has 18 active groundwater wells located throughout the service area. These wells meet federal Ground Water Rule standards that took effect in 2006.

The following table compares by source of the average calendar-year daily delivery to the distribution system and the daily production capacity of the System. The maximum daily peak demand made on the System each year is compared to total capacity available. All units are in million gallons per day (mgd).

<u>Source of Supply</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Total Daily Capacity</u>
Surface Water:								
Salt River Project:								
24th Street Plant	54.12	57.65	53.03	35.18	38.20	40.62	68.95	140
Deer Valley Plant	57.49	54.95	48.77	48.77	35.43	54.05	33.16	100
Val Vista Plant (1)	77.18	65.17	70.04	80.04	62.31	98.11	92.45	130
Central Arizona Project:								
Union Hills Plant	68.74	74.51	73.41	78.62	75.13	61.49	60.43	160
Lake Pleasant Plant	<u>25.00</u>	<u>25.00</u>	<u>24.82</u>	<u>25.71</u>	<u>26.30</u>	<u>26.16</u>	<u>27.47</u>	<u>80</u>
Total Surface Water	282.53	277.28	270.07	268.32	237.37	280.43	282.46	610
Groundwater (2)	<u>4.00</u>	<u>4.00</u>	<u>2.39</u>	<u>2.13</u>	<u>2.39</u>	<u>2.43</u>	<u>3.74</u>	<u>36</u>
Total Average Daily Deliveries	<u>286.53</u>	<u>281.28</u>	<u>272.46</u>	<u>270.45</u>	<u>239.76</u>	<u>282.86</u>	<u>286.20</u>	
Total Daily Capacity								<u>646</u>
Total Maximum Day Demand (3)	<u>384.32</u>	<u>400.15</u>	<u>400.15</u>	<u>437.46</u>	<u>395.56</u>	<u>439.12</u>	<u>402.56</u>	

- (1) The Val Vista Water Treatment Plant is jointly owned by the cities of Phoenix and Mesa with a total treatment capacity of 220 mgd of which the City owns 130 mgd.
- (2) There are 18 active wells that are in compliance with Federal standards that became effective in 2006.
- (3) Maximum day demand is defined as the water delivered during the highest water demand day in a given year. Maximum day demand is a critical consideration in designing many water facilities.

OUTSTANDING WATER SYSTEM OBLIGATIONS

City of Phoenix Civic Improvement Corporation Junior Lien Water System Revenue Debt

The city entered into purchase agreements with the City of Phoenix Civic Improvement Corporation (the “Corporation”) for certain modifications and expansion at various water treatment plants throughout the city. The Corporation issued bonds for the water treatment plant modifications and expansions, and the City made a junior lien pledge of net operating revenues of the System for the payment of principal and interest on the bonds. Amounts due on the bonds and pursuant to the purchase agreements are as follows:

City of Phoenix Civic Improvement Corporation Junior Lien Water System Revenue Bonded Debt Outstanding

Issue Date	Original Issuance	Purpose	Maturity Dates	Average Interest Rate	Bonds Outstanding as of 1-1-26
12-17-14	\$ 445,085,000	Water System Refunding	7-1-16/29	4.67%	\$ 181,030,000
01-10-17	375,780,000	Water System Refunding	7-1-17/39	4.99	315,625,000
04-09-20	165,115,000	Water System Improvements	7-1-30/44	5.00	165,115,000
04-09-20	228,015,000	Water System Improvements	7-1-30/44	5.00	228,015,000
06-09-21	250,000,000	Water System Improvements	7-1-26/45	4.77	250,000,000
06-09-21	67,345,000	Water System Refunding	7-1-22/26	5.00	17,025,000
06-09-21	151,280,000	Water System Refunding	7-1-26/44	2.60	151,280,000
Total Junior Lien Water System Revenue Bonded Debt					\$ 1,308,090,000

City of Phoenix Civic Improvement Corporation Schedule of Annual Debt Service Requirements Junior Lien Water System Revenue Bonded Debt Outstanding

Fiscal Year	Principal	Interest	Total
2025-26	\$ 85,840,000	\$ 60,000,824	\$ 145,840,824
2026-27	75,980,000	55,904,560	131,884,560
2027-28	79,530,000	52,353,393	131,883,393
2028-29	82,725,000	49,078,352	131,803,352
2029-30	46,075,000	45,655,560	91,730,560
2030-31	48,165,000	43,571,743	91,736,743
2031-32	50,350,000	41,380,386	91,730,386
2032-33	52,660,000	39,075,856	91,735,856
2033-34	55,080,000	36,652,895	91,732,895
2034-35	57,630,000	34,105,805	91,735,805
2035-36	60,300,000	31,428,130	91,728,130
2036-37	63,120,000	28,613,622	91,733,622
2037-38	66,070,000	25,656,130	91,726,130
2038-39	69,175,000	22,552,037	91,727,037
2039-40	72,435,000	19,293,715	91,728,715
2040-41	75,705,000	16,024,188	91,729,188
2041-42	79,135,000	12,598,085	91,733,085
2042-43	82,730,000	8,999,132	91,729,132
2043-44	86,670,000	5,063,003	91,733,003
2044-45	18,715,000	935,750	19,650,750
	\$ 1,308,090,000	\$ 628,943,165	\$ 1,937,033,165

City of Phoenix Outstanding Junior Subordinate Lien Obligations

The City entered into a Revolving Credit Agreement dated April 28, 2022 (the “*Water Revolving Credit Agreement*”) with JPMorgan Chase Bank, National Association (the “*Water Credit Agreement Provider*”) for a three-year loan period ending on April 25, 2025, during which the City may borrow, repay, and re-borrow amounts, but not exceeding \$200,000,000 outstanding in the aggregate at any one time (each a “*Loan*”). Loans made under the Water Revolving Credit Agreement (such loans, together with any obligations on a parity therewith, the “*Junior Subordinate Lien Obligations*”) are payable from Water System Designated Revenues pledged to the City of Phoenix Civic Improvement Corporation Junior Lien Water System Revenue Bonds (“*Junior Lien Obligations*”) but are junior and subordinate to the Junior Lien Obligations.

The City entered into a first amendment with the Water Credit Agreement Provider, dated March 27, 2025 and effective April 25, 2025. The City and the Water Credit Agreement Provider agree to amend that certain Water Revolving Credit Agreement dated as of April 28, 2022, pursuant to the original agreement. The commitment termination date was extended to April 23, 2027.

City of Phoenix Junior Subordinate Lien Water Revolving Loan Outstanding

<u>Issue Date</u>	<u>Original Issuance</u>	<u>Purpose</u>	<u>Prepayment Date</u>	<u>Loan Outstanding As of 1-1-26</u>
04-28-2022	\$200,000,000	Water System Improvements	4-23-27	\$200,000,000 ⁽¹⁾

(1) Represents the Revolving Loan which is fully drawn.

Upon an event of default under the Water Revolving Credit Agreement, JPMorgan Chase Bank, National Association may declare all amounts due (collectively, “*Payment Obligations*”) immediately due and payable. Events of default include, but are not limited to, failure to pay amounts to the Water Credit Agreement Provider by the applicable grace period, failure to perform certain covenants such as issuance of obligations in violation of additional bonds test, sale of the City Water System property in violation of applicable covenants, acceleration of other obligations payable from Water System revenues on any lien in an amount of at least \$5,000,000, certain litigation, bankruptcy and insolvency events related to the Water System and certain downgrades of Junior Lien Obligations. If Payment Obligations were to be accelerated, Water System Revenues would continue to be transferred to the extent available from the Revenue Fund to the Junior Lien Bond Fund on a monthly basis prior to payment of Payment Obligations.

City of Phoenix Junior Lien Water System Revenue Debt

The City entered into a loan agreement with the Water Infrastructure Finance Authority of Arizona (“WIFA”) to finance certain improvements to the water distribution system and to install automated meters in certain areas of the City. WIFA loaned the City funds derived in whole or in part from the United States Environmental Protection Agency pursuant to the federal American Recovery and Reinvestment Act of 2009. The city made a junior lien pledge of the net operating revenues of the System for the payment of principal and interest on the loans. Amounts due on the loans pursuant to the loan agreement are as follows:

City of Phoenix Junior Lien Water System Revenue Debt Outstanding

Issue Date	Original Issuance	Purpose	Maturity Dates	Average Interest Rate	Debt Outstanding as of 1-1-26
09-14-11	\$ 1,496,737	Water System Improvements	7-1-24/29	2.97%	\$ 1,188,132
03-13-24	9,325,000 ⁽¹⁾	Water System Improvements	7-1-26/47	3.28	9,325,000
03-13-24	30,575,418 ⁽²⁾	Water System Improvements	7-1-26/47	3.28	30,575,418
Total City of Phoenix Junior Lien Water Revenue Debt					<u>\$ 41,088,550</u>

- (1) Amount does not include \$1,532,000 forgivable principal loaned to the City but not required to be repaid pursuant to the American Recovery and Reinvestment Act and Bipartisan Infrastructure Law (the “*Forgivable Principal*”). Failure by the City to comply with all requirements of the loan agreement may result in a default under the loan agreement and cause the Forgivable Principal to be owed by the City. As of January 1, 2026 the City has not drawn any funds.
- (2) Amount does not include \$10,000,000 loaned to the City as Forgivable Principal. Failure by the City to comply with all requirements of the loan agreement may result in a default under the loan agreement and cause the Forgivable Principal to be owed by the City. As of January 1, 2026 the City has not drawn any funds.

City of Phoenix Schedule of Annual Debt Service Requirements Junior Lien Water System Revenue Debt Outstanding

Fiscal Year	Principal	Interest	Total
2025-26	\$ 1,552,192	\$ 1,343,000	\$ 2,895,192
2026-27	1,602,179	1,293,012	2,895,191
2027-28	1,653,778	1,241,413	2,895,191
2028-29	1,698,536	1,188,150	2,886,686
2029-30	1,440,342	1,133,421	2,573,763
2030-31	1,487,549	1,086,213	2,573,762
2031-32	1,536,303	1,037,459	2,573,762
2032-33	1,586,656	987,106	2,573,762
2033-34	1,638,658	935,104	2,573,762
2034-35	1,692,365	881,397	2,573,762
2035-36	1,747,833	825,930	2,573,763
2036-37	1,805,118	768,645	2,573,763
2037-38	1,864,281	709,482	2,573,763
2038-39	1,925,382	648,380	2,573,762
2039-40	1,988,487	585,276	2,573,763
2040-41	2,053,659	520,103	2,573,762
2041-42	2,120,968	452,794	2,573,762
2042-43	2,190,483	383,280	2,573,763
2043-44	2,262,276	311,486	2,573,762
2044-45	2,336,422	237,340	2,573,762
2045-46	2,412,998	160,764	2,573,762
2046-47	2,492,085	81,678	2,573,763
	<u>\$ 41,088,550</u>	<u>\$ 16,811,433</u>	<u>\$ 57,899,983</u>

WATER FINANCIAL PLANNING PROCESS AND CAPITAL IMPROVEMENT PROGRAM

The City has a long-standing practice of updating the five-year Water Capital Improvement Program (the “*Water CIP*”) and financial forecast each year for review by the City Council as part of the financial planning process. The Water CIP, financial forecast and associated proposed water rates are updated through a coordinated process between the Water Services Department and the Finance Department. The two departments recommend rates necessary to maintain water revenue bond debt service coverage of 2.0 times or greater, a minimum available fund balance equal to annual total revenue bond debt service and long-term sustainability of the System. The most recent CIP was approved by the City Council per the adopted budget in June 2024. In June, 2023, Phoenix City Council approved a 26% water rate increase over a three-year period with 6.5% effective October 2023, followed by an additional increase of 6.5% effective March 2024, and 13% effective March 2025.

The Water CIP for fiscal years 2026-27 through 2029-30 totals \$2.584 billion. In addition, \$679 million was programmed in fiscal year 2025-26 for a total Water CIP of \$3.264 billion. In general, the Water CIP includes projects for improvements to the water treatment plants’ processes; improvements to storage facilities; rehabilitation and replacement of water mains and other water infrastructure; modifications to meet regulatory mandates; and upgrades to automation and environmental systems. The total Water CIP for fiscal years 2025-26 through 2029-30 is shown on the following page.

**City of Phoenix Water System
Capital Improvement Program Summary**

	<u>2025 - 26</u>	<u>2026 - 27</u>	<u>2027 - 28</u>	<u>2028 - 29</u>	<u>2029 - 30</u>	<u>5-Year Total</u>
Uses of Funds						
Production:						
Deer Valley Treatment Plant	\$ 4,935,000	\$ 12,805,000	\$ 28,710,000	\$ 60,030,000	\$ 5,685,000	\$ 112,165,000
Lake Pleasant Treatment Plant.....	10,005,000	10,035,000	12,930,000	39,215,000	35,300,000	107,485,000
24th Street Treatment Plant	10,855,000	31,760,000	68,770,000	4,940,000	12,375,000	128,700,000
Union Hills Treatment Plant.....	7,605,000	5,005,000	7,420,000	13,175,000	39,505,000	72,710,000
Val Vista Treatment Plant.....	48,349,868	9,485,331	16,959,131	46,964,131	34,885,133	156,643,594
Wells	70,450,000	41,165,000	23,940,000	58,265,000	40,440,000	234,260,000
North Gateway Treatment Plant.....	47,700,000	402,300,000	-	-	-	450,000,000
Production Replacement.....	15,087,074	23,106,724	78,992,074	24,112,074	19,912,074	161,210,020
Subtotal Production	<u>214,986,942</u>	<u>535,662,055</u>	<u>237,721,205</u>	<u>246,701,205</u>	<u>188,102,207</u>	<u>1,423,173,614</u>
Distribution:						
Water Mains.....	281,670,625	188,142,177	261,170,256	215,067,792	207,802,047	1,153,852,897
Water Storage	36,080,000	84,543,272	39,850,000	22,360,000	26,915,000	209,748,272
Boosters	19,510,000	8,200,000	18,150,000	27,305,000	37,650,000	110,815,000
Pressure Reducing Valves.....	-	7,165,000	-	210,000	-	7,375,000
Subtotal Distribution.....	<u>337,260,625</u>	<u>288,050,449</u>	<u>319,170,256</u>	<u>264,942,792</u>	<u>272,367,047</u>	<u>1,481,791,169</u>
Other:						
Automation	21,413,448	12,505,102	14,996,302	6,396,302	8,996,302	64,307,456
Buildings.....	1,810,000	1,710,000	1,510,000	3,177,000	2,485,000	10,692,000
Security	7,846,000	3,305,000	2,805,000	9,305,000	9,305,000	32,566,000
Water System Studies	15,306,945	9,000,000	10,000,000	10,300,000	16,000,000	60,606,945
Water Resiliency Program.....	80,561,462	18,431,694	18,222,602	18,818,736	19,635,404	155,669,898
Power Redundancy.....	-	-	-	4,115,000	30,710,000	34,825,000
Subtotal Other.....	<u>126,937,855</u>	<u>44,951,796</u>	<u>47,533,904</u>	<u>52,112,038</u>	<u>87,131,706</u>	<u>358,667,299</u>
Total Uses	<u>\$ 679,185,422</u>	<u>\$ 868,664,300</u>	<u>\$ 604,425,365</u>	<u>\$ 563,756,035</u>	<u>\$ 547,600,960</u>	<u>\$ 3,263,632,082</u>
Sources of Funds						
Operating Funds:						
Development Occupation Fees.....	\$ 905,000	\$ 905,000	\$ 1,405,000	\$ 1,405,000	\$ 1,400,000	\$ 6,020,000
Water Revenue (1)	326,437,991	229,762,433	228,141,053	300,288,284	324,577,167	1,409,206,928
Water Resource Acquisition.....	-	-	-	-	-	-
Subtotal Operating Funds	<u>327,342,991</u>	<u>230,667,433</u>	<u>229,546,053</u>	<u>301,693,284</u>	<u>325,977,167</u>	<u>1,415,226,928</u>
Other Financing:						
Mesa Participation (2).....	17,839,106	1,955,989	4,972,610	17,160,379	12,136,363	54,064,447
Developer Contributions.....	85,914,042	7,725,000	9,240,400	5,460,000	-	108,339,442
Bond Funds/Commercial Paper.....	199,009,671	626,665,878	357,828,302	239,442,372	209,487,430	1,632,433,653
Other Sources.....	49,079,612	1,650,000	2,838,000	-	-	53,567,612
Subtotal Other Financing.....	<u>351,842,431</u>	<u>637,996,867</u>	<u>374,879,312</u>	<u>262,062,751</u>	<u>221,623,793</u>	<u>1,848,405,154</u>
Total Sources.....	<u>\$ 679,185,422</u>	<u>\$ 868,664,300</u>	<u>\$ 604,425,365</u>	<u>\$ 563,756,035</u>	<u>\$ 547,600,960</u>	<u>\$ 3,263,632,082</u>

(1) Includes revenue from Water Service charges as well as other miscellaneous fees and charges not included in other categories.

(2) Represents the city of Mesa's share of costs for capital projects related to the Val Vista Water Treatment Plant which is a joint venture between the City and Mesa.

City of Phoenix Water System
Comparative Statement of Revenues, Expenditures, Encumbrances, Debt Service,
Debt Service Coverage and Changes in Fund Balance (Non-GAAP Budgetary Basis)

	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>2024-25</u>
Revenues: (1)					
Metered Water Sales.....	\$ 344,551,030	\$ 338,843,925	\$ 332,131,827	\$ 387,219,761	\$ 434,945,638
Environmental Charge.....	78,588,787	73,910,040	69,911,625	74,486,618	76,615,013
Raw Water Charge.....	39,559,906	36,651,965	34,072,795	54,680,193	86,753,079
Wholesale Water Sales.....	3,809,077	6,038,354	7,807,930	7,076,958	8,511,842
Customer Service Fees.....	2,540,139	2,973,015	2,860,080	2,721,044	2,385,987
Development Occupational Fees.....	6,171,264	6,364,860	6,910,320	5,815,999	3,715,350
Water Resource Acquisition Fees	1,892,318	2,510,968	2,097,325	2,736,212	1,588,550
Connection Fees.....	6,111,720	5,630,157	4,986,312	5,768,705	5,224,252
Interest Income	1,564,945	2,245,606	13,496,749	19,149,536	13,933,103
Other	11,903,579	20,175,635	30,232,173	63,591,792	48,340,814
Total Revenues.....	496,692,765	495,344,524	504,507,136	623,246,818	682,013,628
Operation & Maintenance Expenditures and Encumbrances:					
Administration and Engineering.....	20,362,714	21,884,562	23,666,066	30,198,728	32,277,369
Customer Service.....	8,772,443	8,811,876	10,931,963	10,919,630	8,785,892
Production and Treatment	123,782,424	131,008,267	142,394,853	161,900,127	172,165,059
Distribution and Centralized Functions.....	68,726,339	68,466,516	83,072,126	87,450,643	89,567,201
Total O&M Expenditures and Encumbrances	221,643,920	230,171,221	260,065,008	290,469,128	302,795,521
Net Revenues Available for Junior Lien Revenue.....					
Bond Debt Service (Designated Revenues).....	275,048,845	265,173,304	244,442,128	332,777,690	379,218,107
Junior Lien Revenue Bond Debt Service.....	133,822,875	131,752,403	142,505,303	142,515,453	135,633,503
Junior Lien Debt Service Coverage	2.06	2.01	1.72	2.34	2.80
Revenues Available After Junior Lien.....					
Revenue Bond Debt Service	141,225,970	133,420,900	101,936,825	190,262,237	243,584,604
Other Expenditures and Encumbrances and Transfers:					
Commercial Paper/Revolver Loan Notes Interest.....	-	-	5,370,278	9,197,222	8,515,444
Capital Outlay	1,705,700	3,762,393	3,758,692	7,435,242	6,384,306
Plant Additions and Improvements	62,310,994	95,588,424	115,780,957	166,501,897	147,464,482
Transfer from Other Funds:					
Water Capital Project Fund.....	17,591,068	(14,000,000)	(10,933,712)	(9,558,516)	-
Other.....	(66,146)	(83,885)	-	(11,939,108)	-
Transfer to Other Funds:					
Staff and Administrative Charges.....	10,014,004	10,845,988	12,807,996	17,638,387	14,194,000
In-Lieu Property Tax Payments	16,367,380	16,455,572	17,184,984	14,464,004	17,574,016
Water Capital Project Fund.....	-	-	395,955	1,062,931	37,144,044
Other.....	85,000.00	99,999.96	201,999.96	201,900.00	202,051.00
Total Other Expenditures, Encumbrances and Transfers	108,008,000	112,668,492	144,567,149	195,003,959	231,478,343
Net Increase (Decrease) in Fund Balance.....	33,217,970	20,752,408	(42,630,325)	(4,741,723)	12,106,261
Fund Balance, Beginning of Year.....	113,424,510	146,642,480	167,394,889	124,764,564	120,022,841
Fund Balance, End of Year.....	146,642,480	167,394,889	124,764,564	120,022,841	132,129,102
Reserved for:					
Water Resource Acquisition Fees.....	22,623,847	25,299,535	28,089,568	32,004,669	34,921,276
Development Occupational Fees.....	30,139,157	25,106,382	32,249,675	18,876,089	24,811,356
Reserved Fund Balance, End of Year.....	52,763,004	50,405,917	60,339,243	50,880,758	59,732,632
Unreserved Fund Balance, End of Year.....	93,879,476	116,988,972	64,425,321	69,142,083	72,396,470
Water Reserve Fund.....	100,009,392	100,009,528	100,009,527	100,009,528	100,009,528
Available Fund Balance, End of Year.....	\$ 193,888,868	\$ 216,998,500	\$ 164,434,848	\$ 169,151,611	\$ 172,405,998

(1) Revenues and related expenditures include the City of Mesa's share of the Val Vista Water Treatment Plant (WTP) and grant activity.