

Letter from the Board:

Recently, the Navarro Groves HOA partnered with the City of Phoenix to do a water conservation analysis related to our community usage. The results can be found in the following report below. The good news is that we have consistently used less water than the city's analysis identified as reasonable for our community size, grass areas, plants, and trees. It appears that our efforts to conserve water while still maintaining the community appearance have been worthwhile.

Kind Regards,

Navarro Groves Board



City of Phoenix

Homeowners Association Water Efficiency Program

Navarro Groves HOA

Water Efficiency Summary Report



Dear Navarro Groves Homeowners Association,

Thank you for participating in the *Homeowners Association Water Efficiency Program*.

We are writing to provide you with a summary of your landscape watering efficiency.

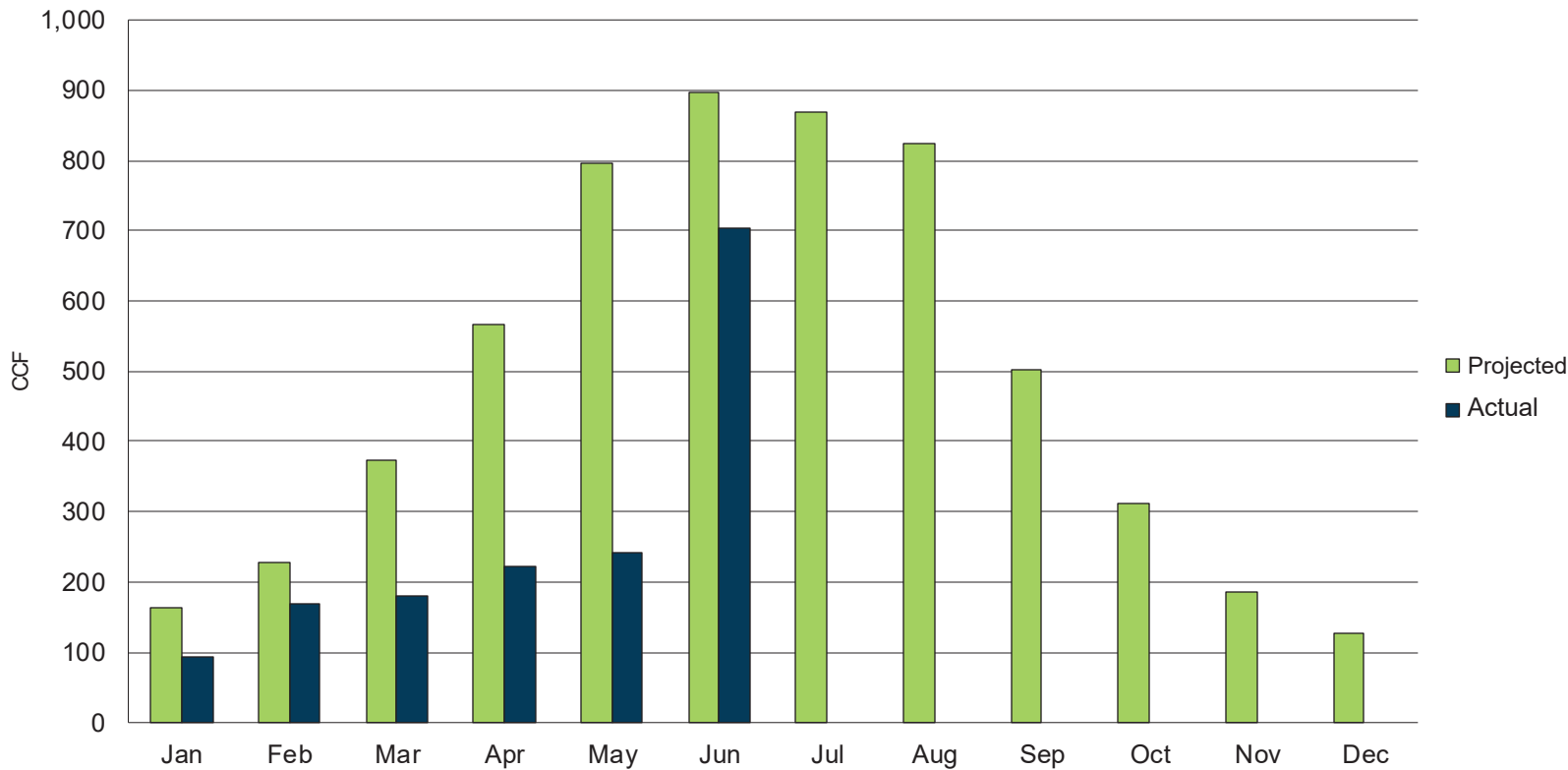
The City of Phoenix Water Conservation Team measured the square footage of your common areas and used a landscape water budget calculator to estimate the monthly water requirements based on your historical water usage, local evapotranspiration rates, and landscaping data to create a personalized water budget.

In 2025, the HOA managed to stay within 20% of its budget, using 4856 CCF of water. A good goal is to be within 20% of the estimated water demand of your common areas, approximately 7,015 CCF (5,247,370 gallons) of water annually.

If interested in the *Non-Residential Grass Removal Program* offered by the City of Phoenix, please visit <https://www.phoenix.gov/waterservices/nonresidentialincentives>

Below are charts comparing the landscape's estimated water requirements with your landscape water usage in 2026, 2025, and 2024.

Landscape Water Projected vs. 2026 Actual Usage



Month	Projected		2026	
	Usage	Cost	Usage	Cost
Jan	163	\$804	94	\$463
Feb	229	\$1,129	170	\$838
Mar	373	\$1,839	181	\$892
Apr	567	\$3,204	222	\$1,254
May	797	\$4,503	243	\$1,373
Jun	897	\$5,499	703	\$4,309
Jul	869	\$5,327	0	\$0
Aug	824	\$5,051	0	\$0
Sep	503	\$3,083	0	\$0
Oct	311	\$1,757	0	\$0
Nov	185	\$1,045	0	\$0
Dec	128	\$631	0	\$0
Total	5,846 CCF	\$33,872	1,613 CCF	\$9,130*

Landscape Water Projected vs. 2024 to 2026 Actual Usage



Historical Water Budget Analysis



2024

Saved an Additional

- 1,153 CCF
- 862,444 Gal



2025

Saved an Additional

- 990 CCF
- 740,520 Gal



2026

As of June, has used:

- 1,613 CCF

Site Assessment Findings



Water Emitters

Emitters are placed directly on the tree trunks. This will prevent the roots from establishing and increase the risk of falling at maturity. This can be addressed by relocating emitters to the tree's drip line.



Pruning Practices

Shrubs and trees should be trimmed when they block walkways or decrease visibility on the road. Over-pruning hollows and stresses plants. This state increases their susceptibility to pests and disease and raises water needs.



Turf Health

There were areas where soil was too hard which does not allow for water absorption and healthy root development. Some areas were receiving too much water which was indicated by mushroom growth. Sprinkler uniformity was less than optimal as some areas were not getting ample water, while others were getting too much.

General Recommendations

- To keep track of your water usage and identify any unusual patterns, such as overwatering or a leak, utilize the water calculator or refer to the estimated water use chart above.
- Encourage community members to report any leaks or broken sprinkler heads.
- Use proper pruning methods to avoid over-stressing trees and shrubs to avoid increased water and fertilizer demands.
- To manage turf properly, it is recommended that core aeration of turf areas be performed at least once a year and soil sulfur or gypsum applied once or twice a year.
- Reduce watering frequency and use a soil probe to determine watering depths for grass, shrubs, and trees.
- Use the same brand and model of sprinkler heads and nozzles throughout the community to ensure uniformity, efficiency, and optimal performance.
- Repair or replace valves to stop “weeping” or slow-to-close valves.
- Ensure controllers are properly programmed and adjusted monthly for weather changes.
- Check sprinkler valves in areas that have a sloping grade.

Please do not hesitate to reach out if you have any questions or comments.

We also welcome your feedback on any challenges you may encounter.

Thank you,

CHRISTIAN DELGADO

Water Conservation Project Manager

City of Phoenix Water Services Department

Water Planning | Water Resources

Office Phone: (602) 504-5314





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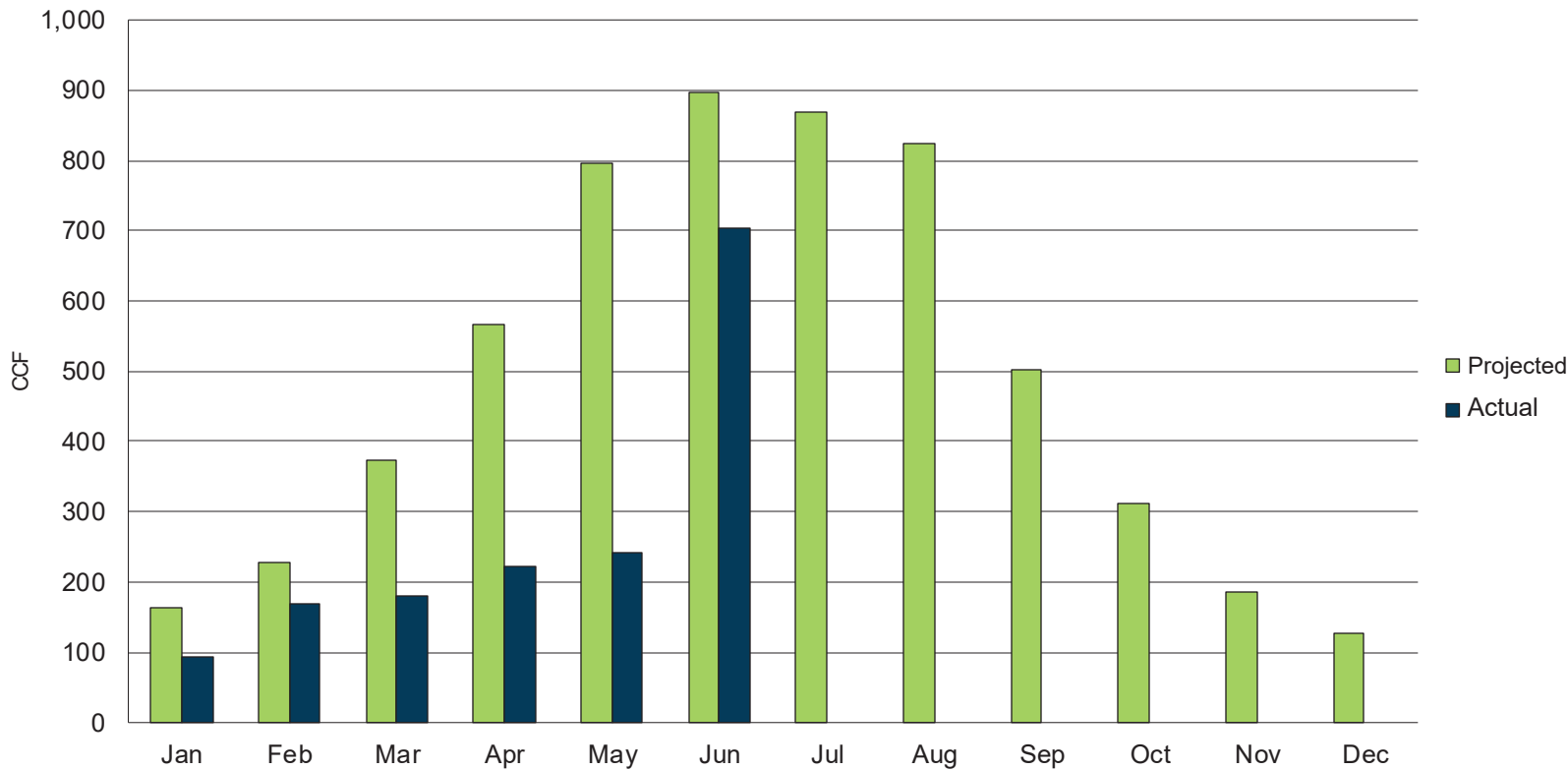
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