



# Palomino Farms Sustainable Water Resource Feasibility Study

## What is the Study?

OneWater Nevada's *Palomino Farms Sustainable Water Resource Feasibility Study* (Study) is part of a regional effort to optimize and expand available water resources. The purpose of the Study is to explore the coordinated use of surface water, groundwater, and recycled water (known as conjunctive use) to better manage our water resources.

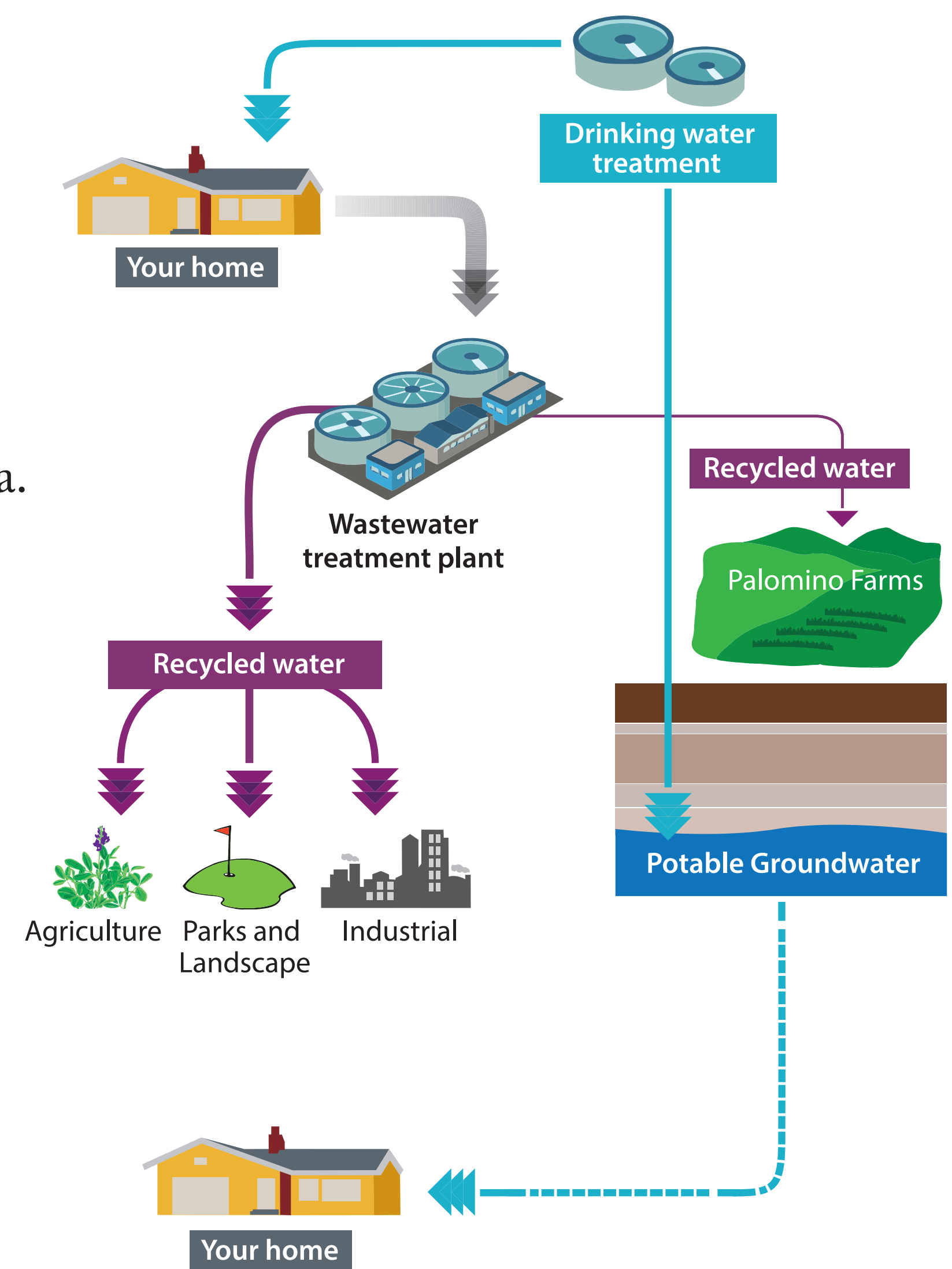
More specifically, the Study is focused on determining the viability of bringing water to the Palomino Farms area as part of a long-term sustainable water management plan. The hope is to preserve farmland and open space, and determine whether the aquifer could be utilized as an underground reservoir to store large quantities of water for the future.

Additional benefits for residential well owners and agricultural users in the area would be improved groundwater levels, and potential improvement to water quality.



## Here's how it would work:

- Recycled water from Reno, Sparks and Washoe County water reclamation facilities would be piped to Palomino Farms for use in farmland irrigation. This would dramatically reduce the need for groundwater pumping by the agricultural wells supplying this area.
- Potable water from Truckee Meadows Water Authority would also be sent through a separate pipeline to Palomino Farms in the winter, when water is more plentiful, and recharged into the Palomino Valley aquifer via injection wells.
- The aquifer would be replenished, storing water for later use. The groundwater basin in the Palomino Farms area would be brought into balance and sustainably managed.



Providing a new potable and agricultural water supply to Palomino Farms would improve local groundwater levels, help preserve farmland and open space, and maintain the rural lifestyle and character of the area. The imported water would be for groundwater basin replenishment only, not for domestic well hook ups.

## Potential future benefits of this project include:

- A potable water pipeline running between Sparks and Palomino Farms would provide TMWA greater flexibility and resilience in improving water supply and potentially water quality in the coming years.
- The recycled water and potable water infrastructure improvements being contemplated by the Study could also complement the potential later addition of A+ Advanced Purified Water to the overall water supply.

OneWater Nevada's Palomino Farms Sustainable Water Resource Feasibility Study is one part of a regionally comprehensive, research-driven approach to water resource management being supported collaboratively by the University of Nevada, Reno, City of Reno, City of Sparks, Washoe County, and Truckee Meadows Water Authority.