

1,2,3-TCP Water Treatment Facility



The City of Chino Hills' new 1,2,3-Trichloropropane (TCP) water treatment facility will allow the City to reactivate six City-owned wells and provide an additional local source of high-quality drinking water that is clean, safe, and cost-effective.

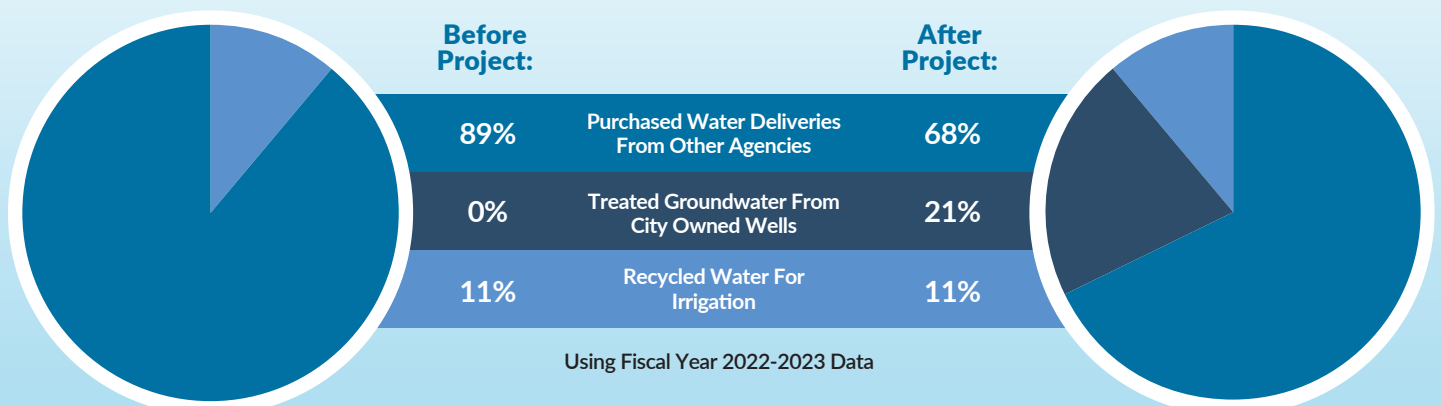
Once operational in summer 2024, the new facility will treat approximately 2,000 gallons of water per minute, producing nearly 3 million gallons of clean water per day for Chino Hills residents, and resulting in a nearly 25 percent reduction to the City's reliance on purchased water deliveries from other agencies annually.

What is TCP?

TCP is a contaminant substance found in pesticides, paint, varnish remover, and degreasing agents, and used as a cleaning and maintenance solvent.

Why is this treatment facility needed?

- 1 In 2017, the California State Water Resources Control Board changed the acceptable levels of TCP allowed in drinking water. As a result, many cities and water agencies across California, including Chino Hills, were required to inactivate wells until they could construct water treatment facilities to remove TCP from the water and meet the new, more stringent, State and Federal drinking water standards.
- 2 Currently all of Chino Hills' surface water is imported from the State Water Project and is purchased from the Metropolitan Water District and treated at the Water Facilities Authority in Upland. Treated ground water is provided by the Monte Vista Water District and the Chino Basin Desalter Authority. These purchased water deliveries are subject to rising costs that the City has no control over.
- 3 The City needs to develop its own resources to supplement its reliance on purchased water deliveries. The 1,2,3-TCP facility will allow the City to use local and cost effective ground water as an alternative.



This Treatment Facility Will:



Reduce Reliance
On Purchased Water
Deliveries From Other
Agencies



Improve Groundwater
Resources



Increase Local,
Sustainable Water
Supplies



Save the City Money
of Purchased Water
Delivery Costs



Enhance Resiliency
During Drought



Provide Source of
Clean, Safe, Drinking
Water to Residents

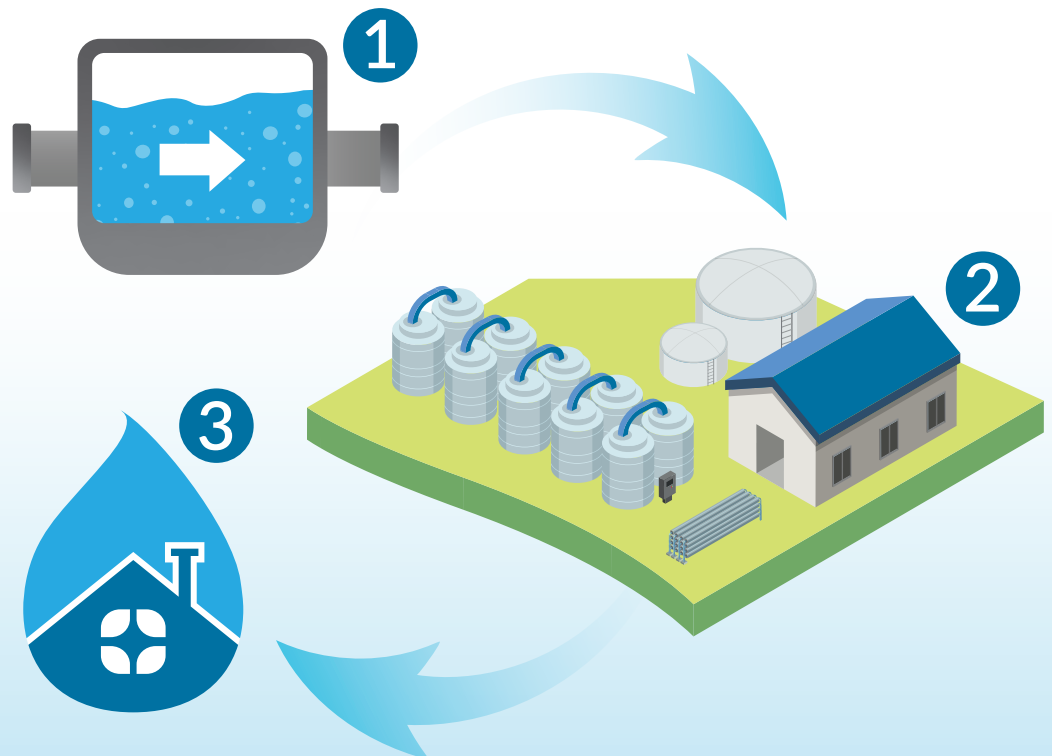
Where is the facility located?

The new treatment facility will be located on Eucalyptus Avenue, adjacent to Boys Republic near the intersection of Eucalyptus Avenue and Pipeline Avenue.

How does the treatment process work?

The water treatment process uses state-of-the-art water purification steps that will create nearly 3 million gallons per day of local, high-quality drinking water. The treatment process filters source water through granular activated carbon (GAC) to remove 1,2,3-TCP; much like a Brita filter you may have on a faucet in your home.

- 1 City wells pump groundwater from the Chino Basin Aquifer to the TCP treatment plant.
- 2 When groundwater arrives at the treatment plant, it is treated through a series of filters to remove TCP from the groundwater. The treated water is then tested to ensure removal of TCP. If treated water does not meet the standard, the plant automatically shuts off.
- 3 Once treated and tested, the water is distributed to customers!



Want to know more?

Visit www.chinohills.org/123TCP or contact the Public Works Department at (909) 364-2800.