



# Our Community, Our Basin, Our Watershed

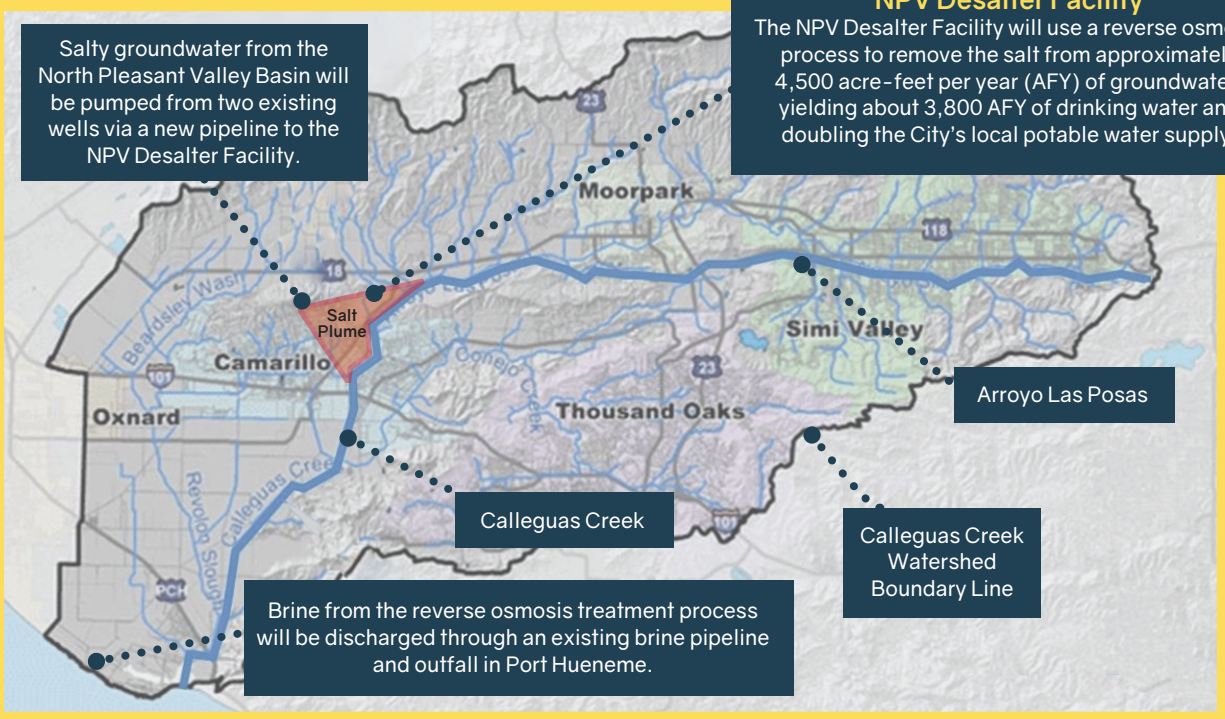
## North Pleasant Valley Desalter Facility Project

The North Pleasant Valley (NPV) Desalter Facility is a critical water supply project for the City of Camarillo that benefits the watershed and the economy by:

- **Creating a new water source for our community.** The City of Camarillo depends on groundwater from the Pleasant Valley Groundwater Basin to supply potable water to nearly 45,000 people and sustain the area's business and agricultural communities. This project will reclaim an unused resource and double the City's local potable water supply.
- **Protecting our basin to benefit the regional economy.** Over the past two decades, water levels in the northern portion of the Pleasant Valley Groundwater Basin have risen over 200 feet. At the same time, accumulation of salts through infiltration of surface water from the Arroyo Las Posas has degraded the quality of water, resulting in a large mound of poor quality groundwater. This degradation of water quality has put our agricultural and supporting business communities at risk. By pumping and removing the accumulated salts, this project protects the future groundwater supplies.
- **Enhancing the beneficial uses of the watershed.** This project is necessary to meet the regional salt total maximum daily load (TMDL). Removal of salts from the watershed benefits local water supplies for municipal and agricultural use. This project also increases recycled water quality to benefit the agricultural community and the ecosystem.

Salty groundwater from the North Pleasant Valley Basin will be pumped from two existing wells via a new pipeline to the NPV Desalter Facility.

**NPV Desalter Facility**  
The NPV Desalter Facility will use a reverse osmosis process to remove the salt from approximately 4,500 acre-feet per year (AFY) of groundwater, yielding about 3,800 AFY of drinking water and doubling the City's local potable water supply.



Brine from the reverse osmosis treatment process will be discharged through an existing brine pipeline and outfall in Port Hueneme.

Without this project, the Camarillo and Ventura County communities face increased dependence on imported water supplies.

# One Water, Many Benefits

This project is an immediate water supply solution with many benefits on a local and regional scale.

## WATER SUPPLY

By 2035, the City is expected to import 70 percent of water supply from the State Water Project (SWP). This project will provide reliable, drought-resistant potable water and reduce imported water to 25 percent of the City's water supply.

## ENVIRONMENT & WATER QUALITY

The project is a key part of the regional solution to address impaired groundwater in the basin by preventing the salt plume from spreading to the main portion of the Pleasant Valley Basin. Reducing imports from the SWP will enhance the Sacramento Bay Delta ecosystem through reduced diversions and increase habitat for endangered species.

## ECONOMIC BENEFITS

Agriculture and the businesses that support agriculture provide an estimated 43,000 jobs and are the second largest sector in Ventura County. By removing salts from the basin and reducing basin degradation, the project helps preserve this prime economy in the region.

## DEPT. OF INTERIOR PRIORITIES

The project modernizes our infrastructure with new pipelines and pretreatment filtration system support facilities, three new monitoring wells, and provisions for future solar power installation.

## WATERSHED PERSPECTIVE

The project will remove 11 million tons of salts each year from the watershed, helping state, federal, and local stakeholders meet a regional TMDL to guarantee the long-term health of the watershed.

## RURAL COMMUNITIES

The project will directly benefit the City's water customers, a population of approximately only 45,000, where roughly 3,000 water customers are considered severely disadvantaged by California DWR using census data.

## Project Timeline

**Winter 2017/2018**

Revised Supplemental Environmental Impact Report Completed

**Fall 2018**

Design of NPV Desalter Facility Completed

**Late 2018**

Construction Bids Received on NPV Desalter Facility

**Spring 2019**

Construction Re-Bid on NPV Desalter Facility

**Summer 2019**

Construction Begins on NPV Desalter Facility Completed

**Summer 2021**

Construction of NPV Desalter Facility Completed

**End of 2021**

NPV Desalter Facility Begins Delivering Water to Customers



**This project creates a new water source, protects the groundwater basin that the region depends on, and supports the agricultural economy.**