

Public benefits of the Pacheco Reservoir Expansion Project

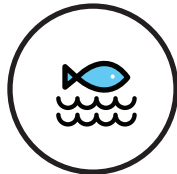
Provides Santa Clara, San Benito, Santa Cruz and Monterey counties



Emergency water reserve



Reduced flood flows



Ecosystem improvements



Drinking water



Irrigation and industrial



Enhances operational flexibility for Santa Clara Valley Water District and San Benito County Water District through integration with San Luis Reservoir supplies.

4 level

Increases incremental Level 4 water supplies for wildlife refuges located south of the Delta.

Improves habitat for threatened steelhead

- Improves more than 10 miles of habitat for South-Central California Coast steelhead
- Provides suitable flow and water temperature for steelhead spawning and rearing
- Helps protect the South Central Coast steelhead population from drought-induced loss

Protects public safety and regional economies

- Improves Santa Clara County's emergency water supply reserves in the event of catastrophic Delta levee failure
- Reduces peak 100-year flood flow releases from dam to Pacheco Creek by 61 percent
- Expands groundwater recharge for medium- and high-priority subbasins subject to the Sustainable Groundwater Management Act of 2014

Reduces the effects of climate change

- Expands existing reservoir to maximize the capture and storage of rainfall
- Increases local surface storage capacity in Santa Clara County by 90 percent
- Contributes to economic and environmental resiliency associated with chronic drought events

Provides more than 80 percent of water to public benefits that include:



South-of-Delta Wildlife Refuge water supplies



Expanded habitat area for the threatened South-Central California Coast steelhead



Reliable, cold water supplies for spawning and rearing of threatened steelhead



Protection from subsidence due to over-reliance on groundwater during chronic drought

Public benefits of the Pacheco Reservoir Expansion Project

By the numbers

Existing reservoir:

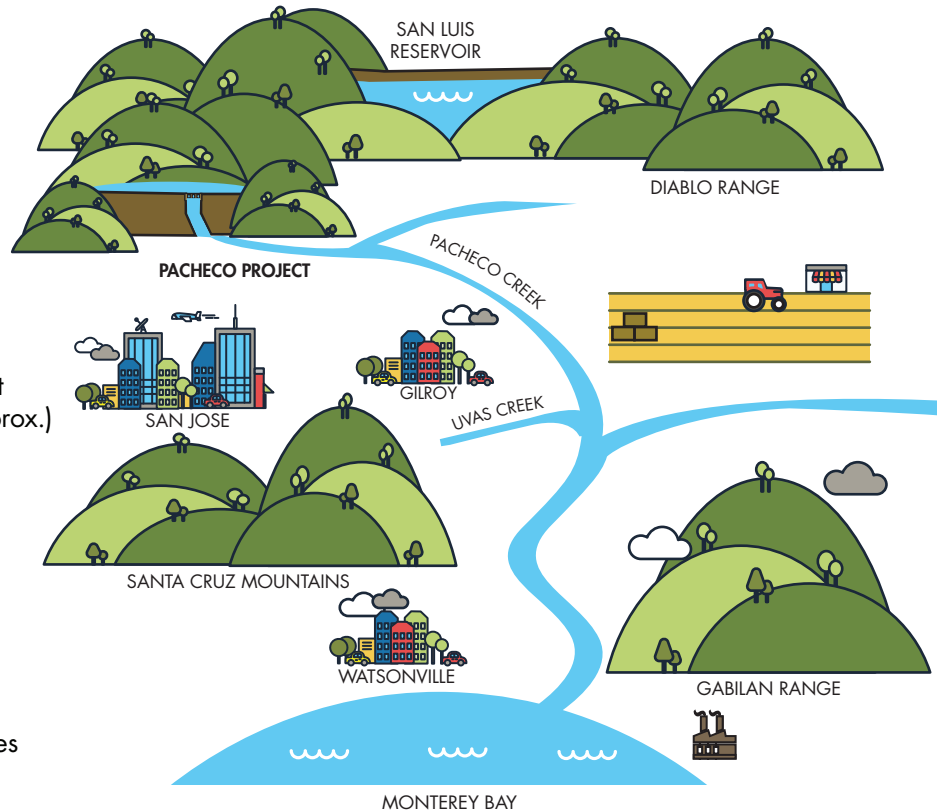
- Total storage: 6,000 acre feet
- Operational capacity: 5,500 acre feet
- Emergency supply: Not provided
- Surface area: 192 acres
- Dam height: 100 feet (approx.)
- Regional groundwater recharge: Zero
- Steelhead habitat: Inadequate flow and temperature

Proposed reservoir:

- Total storage: 140,000 acre feet
- Operational capacity: 140,000 acre feet
- Emergency supply: 87,000 acre feet (approx.)
- Surface area: 1,385 acres
- Dam height: 325 feet (approx.)
- Regional groundwater recharge: 4% increase in critical years
- Steelhead habitat: Suitable flow and temperature

Pacheco Creek Watershed:

- Total area: 168 square miles
- Reservoir catchment area: 66 square miles
- Reduces 100-year flood flow peak by more than 4,000 cfs



A smart, long-term investment for Central Coast and South Bay communities. Paid for by state and local funding.

The Pacheco Reservoir Expansion Project is an innovative on- and off-stream reservoir that makes smart use of water supplies for emergency response, contributes toward ensuring the long-term survival of threatened South-Central California Coast steelhead and assists in optimizing habitat conditions in Central California wildlife refuges.

Santa Clara Valley
Water District



PACHECO PASS
WATER DISTRICT

CONTACT US

Melih Ozbilgin, grant application manager, (408) 630-2725 or email at mozbilgin@valleywater.org. Or use our **Access Valley Water** customer request and information on district projects or to submit questions, complaints or compliments directly to a district staff person.