



Emergency Storage Project

San Vicente Dam Raise

Building Water Reliability Through the Emergency Storage Project

San Diego
County
Water
Authority



The San Vicente Dam raise is part of the Emergency Storage Project, a system of reservoirs, interconnected pipelines, and pumping stations designed to make water available to the San Diego region in the event of an interruption in imported water deliveries.

The Water Authority is a public agency serving the San Diego region as a wholesale supplier of water. The Water Authority works through its 23 member agencies to provide a safe, reliable water supply to support the region's economy, job base, and quality of life for more than 3 million residents.



San Diego County
Water Authority

Capital Improvement
Program

Investing in Water Reliability

Increasing the height of the San Vicente Dam is an important investment to ensure that water is available to San Diego County in the event of a natural disaster. Currently, the San Diego County Water Authority imports up to 90 percent of the region's water supply. The pipelines that carry imported water travel hundreds of miles and cross several major fault lines on the way to San Diego County. An earthquake, drought, or other disaster could interrupt the county's imported water supply for up to six months.

The San Vicente Dam raise is the fourth and final phase of the Water Authority's 10-year Emergency Storage Project. It will protect the region's vibrant economy, job base, and quality of life by increasing the amount of water available for use within the county during emergencies.



The San Vicente Dam currently stands at 220 feet.

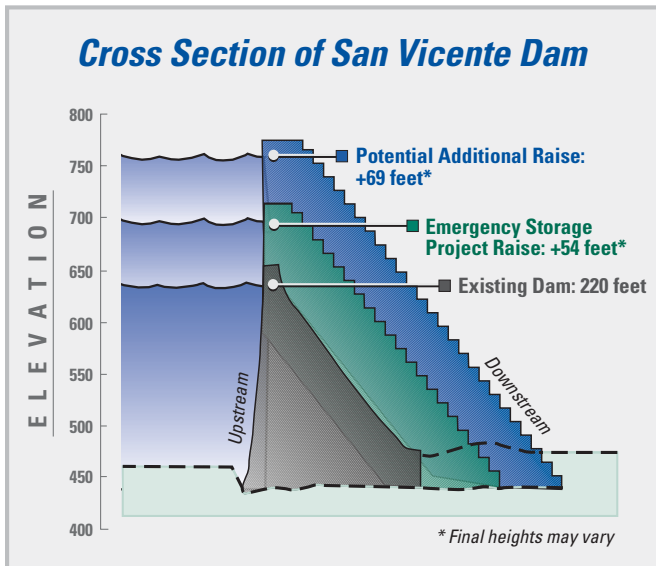
Raising the San Vicente Dam

The San Vicente Dam currently stands at 220 feet. It will be raised 54 feet as part of the Emergency Storage Project to increase the reservoir's storage capacity by 52,000 acre-feet over the present 90,000 acre-feet. It could be raised higher based on a recent Water Authority study, which identified a need for an additional 100,000 acre-feet of stored water for use during droughts or other times of shortage. San Vicente Reservoir

was selected as a possible location for this additional water storage. Therefore, the dam may be raised to 123 feet, or about 69 feet beyond what is planned for the Emergency Storage Project.

The new dam will be built on top of the existing dam using roller-compacted concrete. The raised dam will be as strong as a conventional concrete dam, but will cost less because the roller-compacted concrete construction process takes less time. The dam will be built to remain operational in the event of a major earthquake.

The downstream side of the dam will be completely covered by roller-compacted concrete and will have a new, stair-stepped appearance (see the cross section diagram). Throughout design and construction, the Water Authority will work with the city of San Diego, which owns and operates the dam and reservoir.



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continued

Closing the Reservoir Necessary for Construction

The water in San Vicente Reservoir will be significantly lowered for construction, requiring the reservoir to be closed to all water recreation, including boating and fishing. Complete reservoir closure is expected to begin in mid- to late 2008, when boats can no longer access the boat ramp. The reservoir will begin to be refilled when construction is complete in 2012.



The dam raise will be constructed of roller-compacted concrete, which was also used on the recently completed Olivenhain Dam.

Reservoir recreation activities can resume when the water is high enough to access the new boat launch, even before the reservoir is entirely full. The time needed to refill

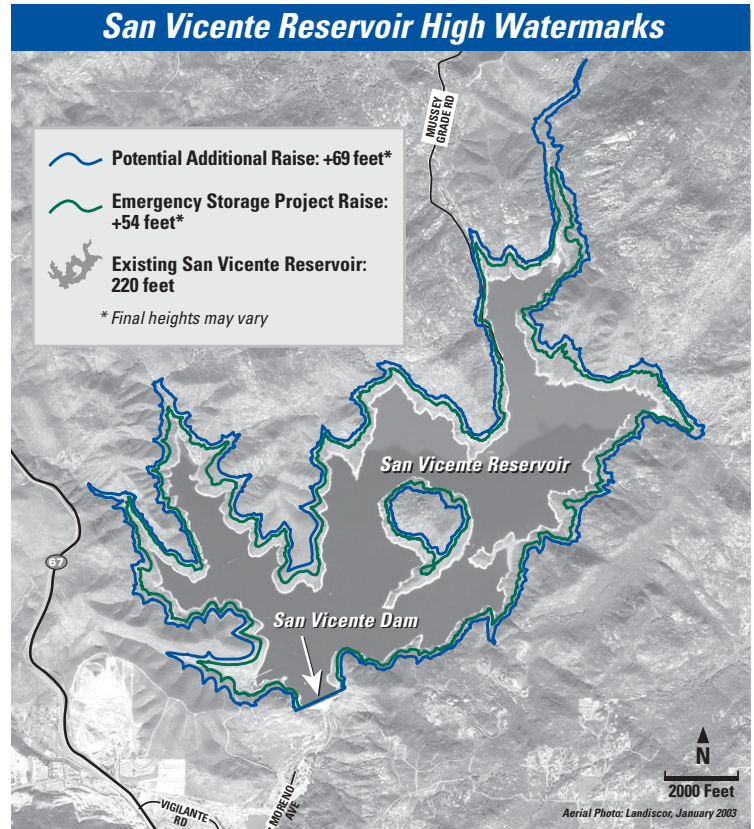
the reservoir is highly dependent on rainfall and water demand/supply. Refilling could take two to five years, or more. This schedule could change when the final height of the dam is determined.

Once the reservoir is reopened, the public will enjoy a number of enhancements. The Water Authority will improve the reservoir's access road, making it safer and less steep, expand the boat ramp and parking area, and add shade trees and picnic areas.

Getting the Word Out

The Water Authority will work hard to communicate with recreational users and communities surrounding the San Vicente Reservoir to provide information on the project and respond to questions and concerns. The Water Authority will use newsletters, community meetings, and mailings to update stakeholders. If you would like to be added to the Water Authority's mailing list, please call the project information line at **(877) 426-2010**.

San Vicente Reservoir High Watermarks



San Vicente Dam Facts

- Current height: 220 feet
- Potential dam height: up to 343 feet
- Current storage capacity: 90,000 acre-feet
- Potential increased capacity: up to 242,000 acre-feet
- Construction schedule: 2008-2012



For more information about the San Diego County Water Authority's Emergency Storage Project or the San Vicente Dam raise, please call toll free (877) 426-2010 or visit our website at www.sdcwa.org.