

Impact UT-1: Sufficient water supplies are available to serve the proposed project and reasonably foreseeable future development in normal, dry, and multiple dry years unless the Bay Delta Plan Amendment is implemented; in that event the SFPUC may develop new or expanded water supply facilities to address shortfalls in single and multiple dry years but this would occur with or without the proposed project. Impacts related to new or expanded water supply facilities cannot be identified at this time or implemented in the near term; instead, the SFPUC would address supply shortfalls through increased rationing, which could result in significant cumulative effects, but the project would not make a considerable contribution to impacts from increased rationing.

The loss of the 17.6 acre reservoir space will present a lost opportunity to store drinking water during an emergency, as was originally intended in 1957 when it was constructed. In San Francisco, there are three terminal reservoirs; the Sunset Reservoir, the University Mound Reservoir, and the Merced Manor Reservoir. Together, they contain about 327 000 000 gallons of water, which represents 79% of all the water in San Francisco Reservoirs. According to the November 2018 issue of the *Westside Observer*, only 33% of this water belongs to San Francisco. State Water Code 73503 states that the water is jointly owned by San Francisco and the 27 wholesale water customers (cities on the Peninsula). This means when a disaster occurs, San Francisco is legally obligated to share the water equitably with Peninsula cities. According to the August 12, 2003 minutes of the SF Public Utilities Commission, after a major Earthquake, San Francisco could have as little as 86 000 000 gallons of water to serve a 900 000 population, or slightly less than 100 gallons of water per person.

It is important to remember that our water comes to San Francisco from Hetch Hetchy reservoir, approximately 170 miles away via transmission lines, which must cross four significant faults in the SF Bay Area alone (the Calaveras, Greenville, Hayward, and San Andreas). If a 9.0 earthquake were to occur, which is the theoretical maximum magnitude of Earthquake to occur in San Francisco, it would be about 10 times stronger than the 1906 earthquake and 100 times stronger than the 1989 earthquake. This has the potential to sever all transmission of water from Hetch Hetchy to San Francisco.

The Balboa Reservoir represents an opportunity to store an additional 110 000 000 gallons approximately (based on 17 acres x depth of 20 feet). This water storage capacity is not insignificant.

What does the project propose to do to increase our water storage when it comes to firefighting capacity?