

WATER STORAGE (WS)

Project Identifier: WS-1

CIP Budget: \$3,250,000

Project Name: New Standpipe or Ground Level
Reservoir in Southeast Service Level

Funding Source: Debt

PROJECT DESCRIPTION: This project generally consists of the design and construction of water supply and, if needed, booster pumping facilities required to serve the high growth areas of the Community Park and adjacent commercial development areas located within the Southeast Service Level. The project will include additional water transmission main, a new water storage reservoir, and booster pumping capacity if needed. Water storage siting and configuration will be evaluated during preliminary engineering and will include either a ground level storage reservoir and booster station or a gravity supplied standpipe configuration.

NEED OR JUSTIFICATION: The South High Booster Station currently pumps into a closed system serving the Southeast and South Central Service Levels. New commercial development is anticipated in the South Central zone and the Community Park development in the Southeast Service Level. This growth is anticipated to increase peak day demand on the South High Booster to 2,100 gpd within the next five years. Much of the additional Community Park water demand is irrigation associated with large park areas and athletic fields likely occurring concurrently with existing irrigation demand at night or in the early morning. The South High Booster facility does not have adequate firm capacity to meet this demand without adding equalization storage in the Southeast/South Central service area. The new water storage reservoir will add critical backbone plant facilities to the Southeast Service Level, reduce the peaking demands required currently from the South High Reservoir, and provide redundant supply in the event of an emergency.