

Project comparison

The district board is considering two options, a full scope project that would replace or repair the known deficiencies in our system or a reduced scope project that would repair or replace a portion of them.

We are told that the district only get one shot at financing a project for many years. If the district goes with the reduced scope project, it will be a long time before we will be able to finance further replacements or repairs.

	Current condition	Reduced scope project	Full scope project
Residential service water pressure	Barely adequate pressure in parts of the district	Pressure would improve substantially throughout the district	Same as reduced scope
Fire flow	Lower than recommended by fire marshal. Hydrant flushes result in loss of customer pressure.	Improved throughout the district	Marginally more than reduced scope
System leaks	Losses to leakage appear significant enough to a concern during the dry season we have lower spring flow and increased consumption. Leaks are a major source of water contamination, which has been increasing.	Full metering would allow measurement of system leakage. Leaks in the distribution system would only be corrected in the main trunk line from the tank farm to 1st @ OCL. Some leaks are likely to be discovered during meter installation.	Full metering would allow measurement of system leakage. Replacing the distribution lines and their service connections will eliminate most leakage and remove that contamination risk.
Springs	Spring #1 has been evaluated and suggestions made for improvements in flow. Spring #3 needs repair of its connection. Measuring spring flow, important during the dry season, is difficult.	Spring #1 would be rehabilitated. Spring #3 connection would be replaced. Springs #1 and #2 would have flow measurement flumes installed.	Same as reduced scope

	Current condition	Reduced scope project	Full scope project
30,000 gallon tank	Built in 1930's, but continues to be in good shape after recent minor upgrades. Serves as collector from springs and as backup reservoir when big tank needs servicing	Would continue in service with a new pumped connection to the new large tank	Same as reduced scope
300,000 gallon tank	Built in 1977. Showing signs of deterioration and has structural deficiencies. Low height cannot provide adequate pressure to customers or recommended flow to fire hydrants	Would be replaced with a 30' high 150,000 gallon, steel tank warrantied for 50 years. Will provide improved pressure to customers and improved flow to fire hydrants.	Same as reduced scope
Distribution system main lines	These asbestos-concrete lines are 30 years past rated service life. Some locations in the line have dubious integrity. Working on these lines is no longer feasible because of cost and health hazards.. The consulting engineer recommends replacing all these lines.	Main line will be replaced with from the tanks to the corner of 1st and Otter Crest Loop with a larger HDPE line, but the remainder of the asbestos-concrete lines would remain in use, and will eventually need to be replaced.	All asbestos-concrete lines would be replaced.
Distribution system lateral lines	These light-duty PVC lines are no longer considered sturdy enough for this purpose and are difficult and costly to work on.	Not replaced	Major lateral lines replaced with reliable heavier-duty PVC lines. Service connections to distribution lines would be replaced.
Distribution system valves and blowoffs	Aged valves are failing throughout the system	Replace 12 across district, leaving many old valves in place	Replace all 38 valves
Fire Hydrants (11)	Existing hydrants still function, but some are becoming difficult to operate.	Replace 1 hydrant along the new main trunk line.	Replace all 11 old hydrants.

	Current condition	Reduced scope project	Full scope project
Service connections to distribution lines	Materials used for customer connections are corroding and failing. Some have been found to be leaking.	Some connections may be replaced during meter replacement, but many others would remain.	New connections with durable materials to all properties along the new distribution lines.
Service meters	63 meters are currently installed around district	A meter for every customer is required for any financing & would be installed with project.	Same as reduced scope
Chlorination now required by OHA	None now, but we are required chlorinate. The January 2021 start date is being appealed.	Included	Included, same as reduced scope
Total project cost estimate (current)	n/a	\$1,489,375	\$3,465,845
Monthly rate (with debt service)	\$50.00 per month (residential)	\$92.92 per month (estimated maximum)	\$144.62 per month (estimated maximum)
Approx annual cost using rate-based loan (part of your monthly bill)	\$600 per year	Estimated \$1119 per year, an increase of \$519 per year from current water bill.	Estimated \$1766 per year an increase of \$1166 per year from current water bill. The difference between the two project options is \$54 per month or \$648 per year