

City of Ammon

SUMMARY OF CURRENT AND FUTURE SYSTEM DEFICIENCIES

Water Rights:

1. Need additional water rights
2. Flow-based billing, city is about 70% metered: meter pits already purchased

Water Supply:

1. Current Needs: 200 gpm of additional source capacity
2. Redundant supply needed on south side of town
3. 2037 Needs: 5,600 gpm of additional source capacity
4. Equivalent to adding a new 2,200 gpm well for every 3,000 people added to the system
5. Potential new well sites: rehab of Well 6, Woodland Hills

Water Storage Needs:

1. Current Needs: Additional 1.6 MG needed to allow for operational, equalization, and fire storage
2. 2037 Needs: Additional 2.6 MG needed to satisfy equalization storage needs if operational storage can be reduced to 25%. 3.3 MG if operational storage remains at 50%
3. 2.6 MG is equivalent to adding 1.1 MG of new storage for every 3,000 people added to the system
4. Potential tank locations: existing tank at Well 6, additional tank at Well 6, Woodland Hills, second hill tank

Water Delivery Needs:

1. Current Needs: Surplus of 900 gpm delivery capacity
2. Improved delivery to Quail Ridge, Cottages, Woodland Hills for fire flow and pressure
3. 2037 Needs: Will need 2,500 gpm additional delivery capacity
4. Equivalent to adding 1,000 gpm of delivery capacity for every 3,000 people added to the system
5. Potential booster station locations: Rebuild booster station at Well 6, Woodland Hills, Cottages, upgrades to existing booster stations

Water Distribution Needs:

1. Water line deterioration in Original Townsite identified in Communities Master Plan
2. Looping in various locations to improve fire flow and pressure
3. Parallel connection to south side of town
4. Ongoing maintenance and replacement of aging lines

Assumptions

- Assumes per capita usage over the past three years remains unchanged. Addition of high-usage industrial or commercial customers, high vs low density development, and conservation efforts all affect per capita usage
- Reference to the year 2037 is a reference to the forecasted population of 22,567. If growth occurs more rapidly these targets will occur sooner and vice versa