

Burbank Water System

The Burbank Water System consists of two shallow alluvium wells, a nitrate treatment system, a chlorine disinfection system, a 298,000-gallon ground reservoir, a booster pump station, and approximately 14,000 feet of 8- and 12-inch diameter water main. Water service is provided to the Burbank Business Park, Burbank Industrial Park, and Columbia School District. Also, the Columbia View Water System is served through a wholesale service agreement for 120 residential connections.

The existing water system capacity is 120,000 gallons per day (gpd), with storage capacity as the limiting component. Future maximum system capacity is 960,000 gpd after system expansions to nitrate treatment, storage, and booster pump capacity are made to meet the system's full water right.

In 2018, system users had an average day demand of 66,000 gpd. A maximum day demand of 100,000 gpd and a peak hourly demand of 200 gpm are estimated.

See Figure A for a site plan of the existing and proposed water system. A summary of the water system capacity is provided in the table below.

BURBANK WATER SYSTEM CAPACITY SUMMARY

Category	Description
System Capacity	120,000 gpd (Existing) 960,000 gpd (Future)
Existing Consumption (2018)	66,000 gpd Average 100,000 gpd Maximum 200 gpm Peak
Available Capacity	20,000 gpd (Existing) 860,000 gpd (Future)
% System Capacity Used	83% (Existing) 17% (Future)
Example Services Supported by Existing Available Capacity	44 Residential Connections 5 Office Buildings 3 Motels (60-Room) 1 High School

The water system is currently at 83 percent capacity based on storage as the limiting system component. The existing water consumption is 17 percent of the future maximum water system capacity based on water rights as the limiting system component.

Burbank Sewer System

The Burbank Sewer System consists of gravity and grinder pump collection systems, two lift stations, and a pressure sewer to the City of Pasco's publicly operated treatment works. Sewer service is provided to the Burbank Business Park, Burbank Industrial Park, and Columbia School District.

The Port of Walla Walla has an Interlocal Agreement with the City of Pasco for wastewater disposal and treatment. The agreement allows the Port to purchase up to three 100,000 gpd (annual average flow) blocks of wastewater treatment capacity. Currently, the Port has purchased one 100,000 gpd block.

The existing sewer system capacity is 100,000 gpd of sewer flow with the Port's wastewater treatment capacity block as the limiting factor. Future maximum system capacity is 300,000 gpd, dependent on the purchase of the additional two 100,000 gpd wastewater treatment capacity blocks.

In 2018, the sewer system accepted an average day flow of 9,500 gpd. A maximum day flow of 17,000 gpd and a peak hourly flow of 35 gpm are estimated.

See Figure B for a site plan of the existing and proposed water system. A summary of the sewer system capacity is provided in the table below.

BURBANK SEWER SYSTEM CAPACITY SUMMARY

Category	Description
System Capacity	100,000 gpd (Existing) 300,000 gpd (Future)
Existing Discharge (2018)	9,500 gpd Average 17,000 gpd Maximum 35 gpm Peak
Available System Capacity	90,500 gpd (Existing) 290,500 gpd (Future)
% System Capacity Used	10% (Existing) 3% (Future)
Example Services Supported by Existing Available Capacity	905 Residential Connections 90 Office Buildings 12 Convenience Stores 11 Motels (60-Room)

The sewer system is currently at 10 percent capacity based on the Port's agreed wastewater treatment capacity as the limiting system factor. The existing sewer discharge is 3 percent of the future maximum sewer system capacity based on the maximum wastewater treatment capacity as the limiting system factor.

