



Drinking Water State Revolving Fund

City of Pasco Columbia Water Supply Project

Pasco is a city on the move. City leaders expect the city’s population to double by the year 2027, growing to more than 106,000 residents. To meet that growth, Pasco will need to produce 47.7 million gallons a day – about 12 million gallons a day more than current production.

In determining where to obtain the additional water, city leaders concluded that the Columbia River is the best and most reliable source of supply for domestic water. Although groundwater is present within the service area, the quality is not as desirable as treated river water.

New intake and pump station

The city is building a new river water intake facility and pump station for the West Pasco Water Treatment Plant. The project includes replacing an existing 24-inch raw water pipeline with a 30-inch pipeline and adding an electrical duct bank between the intake and the treatment plant.

Table	
Funding Source	Amount
Drinking Water State Revolving Fund	\$6,810,430
Total budgeted to date	\$6,810,430
Lower 1.5% interest rate will save the City of Pasco \$1.1 million over the 20-year loan term¹.	

This will allow the City to provide a reliable source of water and build capacity. Without the intake structure, the city simply would not be able to produce enough potable water. The project includes two 250-horsepower pumps, each with a capacity of 6 million gallons a day.

Growth increases demand

The West Pasco Treatment Plant was built because of physical limitations at the Butterfield Water Treatment Plant and nearby transmission pipelines. The newer plant is adjacent to anticipated future population growth areas. It creates a redundant supply of potable water for the city. The raw water intake structure also provides untreated water for the city’s separate irrigation water distribution system.

As Pasco’s service area continues to grow, the city will need to expand treatment capacity at the West Pasco plant to meet residents’ potable water needs.

The existing water system serves a population of about 51,590 full-time residents. Population projections suggest the service area population will reach 106,573 by the year 2027. That means

¹ Assumes 2.55% interest rate and 5% cost to issue bonds and service debt.



Pasco's population is expected to nearly double by 2027.

Photo Courtesy of City of Pasco

the city's water treatment facilities will need to meet a demand of approximately 47.7 million gallons of treated water a day – about 12 million gallons more than the current combined capacity of the Butterfield and West Pasco plants.

This project will ensure an adequate supply of water and create a redundant source supply of potable water to City of Pasco residents.

The project is scheduled to be complete in November 2017.

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