

# Water Reuse

Treated water is pumped via reuse pumps for use within the plant for various non-potable uses. These pumps will eventually supply areas of North Fulton County with non-potable reuse water for irrigation and other uses. The pumps provide a firm capacity of 5.5 million gallons per day (mgd) of flow at 150 pounds of pressure (psi). For use in the plant, the pressure is reduced to 80 psi and sent through a network of purple non-potable reuse piping.

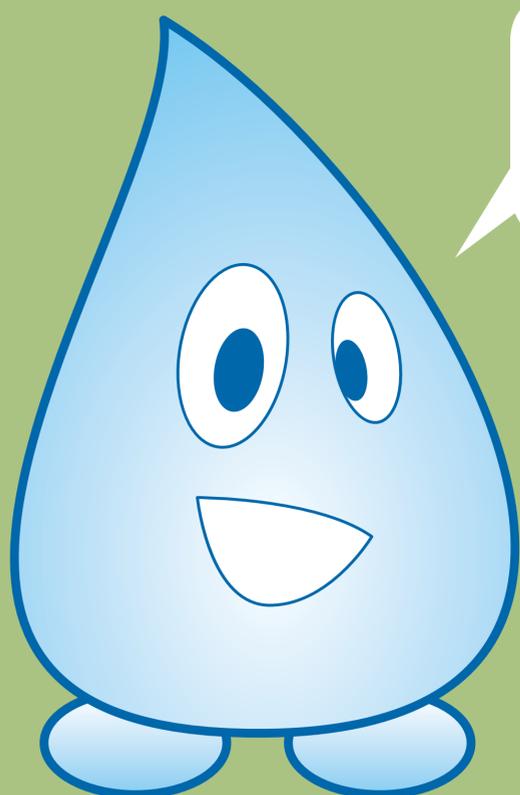
Non-potable reuse at the JCEC includes water for irrigation, for routine cleaning, process equipment lubrication, for refilling of the pond and stream system, and for fire protection. Additionally, the toilets utilize reuse water for flushing. To prevent the accidental use of non-potable reuse water for drinking indoors, a special dye system turns the reuse water used indoors a deep dark blue color.



Reuse pumps send treated reuse water through a network of purple pipes.



Reuse water at JCEC is used for fire protection.



REUSING WATER REDUCES THE AMOUNT OF WATER WE HAVE TO TAKE FROM THE CHATTAHOOCHEE RIVER.

### Reuse Pump Station Design Parameters

Type of Pumps	Variable Speed Vertical Turbine Pumps
Number of Pumps	3 (2 duty / 1 standby)
Flow Rate of Each Pump	2.88 mgd
Operating Pressure (Total Dynamic Head)	150 psi
Motor Size	250 hp