

Buckeye WWTP Reuse Pumping Station

Project Name:	Buckeye WWTP Reuse Pumping Station
Location:	Town of Buckeye, AZ
Owner:	Town of Buckeye Water Services Department
Project Construction Cost:	\$ 500K

The Town of Buckeye Wastewater Treatment Plant's Reuse Pumping Station project required a new pumping station for the plant's reuse effluent water. This reuse water will serve the Town's irrigation at the Earl Edgar Park and meet non-potable water demands at the wastewater treatment plant.

The Reuse Pump Station consists of two pumps equipped with VFDs, with future expansion for a three more pumps, level elements, pressure switches, pressure indicators, flow meter, and a hydro-pneumatic tank for local and automated operation. The project required continuous communication between the Plant and the Earl Edgar Park site for monitoring reuse flow usage.

Project includes the following electrical and I&C features:

- 2 - VFD pumps;
- 1- PLC and Local Control Panel;
- 2 - magnetic flow meters and 1 - ultrasonic level transmitter;
- 1 - pressure transmitter;
- 2 - Unlicensed radios and antennas.

