



Broadband Access Points & Programmable Logic Controllers Replacement – Phase 2

Project Summary

The project will replace aging radio communication system used to receive data from the water production and pumping stations with new wireless communication infrastructure to upgrade communication capability and replace obsolete control equipment, as well as DSP facilities to add and/or replace chlorine analyzer equipment.

More than 100 water production facilities are controlled and operated from a central control point. Phase 2 consists of more than 50 facilities located throughout the San Antonio area. The existing equipment is old and some components are no longer supported by the manufacturer. The existing controllers have an expected lifespan of 10 years. The radio systems have an expected lifespan of 7 years. This project will replace the radio and controllers and install communication towers where needed.

The master plan for upgrade of the Supervisory Control and Data Acquisition (SCADA) system recommended this upgrade. Phase 2 will address the facilities that were deemed medium criticality, as well as the DSP facilities to add and/or replace chlorine analyzer equipment. Phase 1 construction began in 2017, and will address the high criticality facilities. Phase 3 is currently planned for construction in 2020.

For more information:

SAWS Contract Administration

TBD



SCADA Panel



PLC



Radio

