

Since the YVSA was formed, it has focused on the consolidation and evaluation of the Elkin, Jonesville, and Ronda systems and addressing the many needs of the collection system, as well as the WWTP, and prioritizing the highest need items. One of the tasks was to evaluate the pump stations to determine their condition and needs. A condition assessment was completed in 2012 of the 28 pump stations within the YVSA collection system.

The assessment revealed various pump station problems and failures due to failing pumps and equipment, no standby power sources, no telemetry or SCADA alarms, corroded valves, and other issues. This project addresses the recurring or imminent failure of those pump stations, especially where failures caused environmental pollution concerns.

The project consists of improvements or eliminations at 18 pump stations; 13 pump stations require various improvements, four stations will be eliminated (including 4,100 LF of 8" gravity lines), and one station will be rebuilt from a suction to a submersible pump station.