The City of Newberg is located approximately 24 miles southwest of Portland, on the northeast side of Yamhill County, Oregon. The City has over 56 miles of potable water piping in the water distribution system. The City’s current water supply is drawn from groundwater production wells located in the City’s well field on the south side of the Willamette River in Marion County.
Transmission of raw (untreated) water from the City’s groundwater wells across the Willamette River to the Water Treatment Plant (WTP) is provided by two parallel transmission mains. The older 24-inch main is suspended from a decommissioned highway bridge. A second 30-inch diameter main, carries water from the well field under the Willamette River to the WTP.

The Water Master Plan notes that the City’s system is vulnerable to flooding, ground movement, seismic activity or other natural disasters. It was recommended that the City perform a WTP and Willamette River Slope Stability Evaluation along with a Seismic Resilience Study of the water system.