



## Church Road Booster Station (City of Ferndale Washington)

Funding Request: \$250,000

Water Infrastructure

**Request:** The City of Ferndale requests \$250,000 of EDI funding in 2022 to replace pumps, motors, controls, and electrical components at the City of Ferndale’s Church Road Booster Station. The City has committed to the project with a current engineer’s estimate of construction cost at approximately \$730,000, and will be responsible for the remaining cost.

**Issue:** Originally constructed in 1979, the booster station provides pumping necessary to fill the City’s largest water reservoir within the main pressure zone. The current station utilizes pumps and motor controls that are inefficient, unreliable, and no longer supported by the original manufacturer. Additionally, the current station lacks backup power generation or ability to connect backup power in the event of power interruptions. The work will improve the overall operational efficiency of the station while providing reduced operational costs.

**Solution:** The City has completed design for upgrades to the system including new variable frequency drives, more efficient pumps, and electrical components. Additional work will include transfer stitch and generator connection to provide the ability to operate the station during power interruptions.