

Church Road Booster Station (City of Ferndale)

Funding Request: \$450,000

ARPA Nexus: Water Infrastructure

Request: Whatcom County provide \$450,00 funding in 2022 to replace pump and motor controls as well as electrical components at the City of Ferndale's Church Road Booster Station.

Issue: Originally constructed in 1979, the Church Road 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 the ability to connect to backup power in the event of power interruptions.

Solution: The City has completed design for upgrades to the system including new variable frequency drives and more efficient electrical components. Additional work will include transfer switch and generator connection to provide the ability to operate the station during power interruptions. The City is currently in the process of constructing improvements to the wastewater treatment plant and completing upgrades to the water treatment plant. County funding for the booster station will not only provide improvements to the infrastructure, but will reduce the stress on these facilities during potential power outages. Completing proactive upgrades and maintenance to this booster station will prevent future system strains and failures, ultimately resulting in potential cost savings to the Ferndale community.

ARPA Eligibility: Project is eligible for ARPA funding as a water infrastructure project.