



Staff Report

January 2, 2024 Council Workshop Meeting

Professional Services Agreement for Angelo Booster Station Generator

Presenter: Rob Charles, Utilities Manager

Time Estimate: 5 minutes

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BACKGROUND: Angelo Water Booster Station at Fallen Leaf Park provides water supply to higher elevation locations in the City. The current generator in the building can only provide power to 3 of the 4 pumps in the building.

The existing generator at Lower Prune Hill (LPH) is scheduled to be replaced when the new reservoir and booster station are constructed at that location starting this year. That generator has the ability to power all 4 pumps at Angelo Booster Station.

SUMMARY: Consor Engineering is proposing to look at options to relocate the existing generator at LPH to the Angelo site. Options would include removing and replacing the existing generator inside the Angelo building with the LPH generator, relocating the LPH generator outside the Angelo building, or purchasing a new generator and installing it either inside or outside the building. If relocation of the existing generator at LPH to Angelo is feasible, relocations costs through a contractor will be brought back to council for approval.



Figure 1: Angelo Booster Station at Fallen Leaf Park

Figure 2: Angelo Booster Station Existing Generator

BENEFITS TO THE COMMUNITY: Sizing the generator to provide power for all 4 pumps will provide reliability of water service to zones which Angelo serves during a power outage.

BUDGET IMPACT: The cost for the analysis of the generator relocation is \$28,247 and there is sufficient budget in the water operations fund to cover this project.

RECOMMENDATION: Staff recommends that this item be placed on the January 16, 2024 Council Regular Meeting Consent Agenda for Council's consideration.