DATE: January 11, 2023
TO: PPACG Board of Directors
FROM: Ann Werner, Senior Military & Environmental Planner
THROUGH: Andrew Gunning, Executive Director
SUBJECT: SITE APPLICATION FOR CHEROKEE METRO DISTRICT LIFT STATION

**ACTION REQUESTED: Review & Recommend**

PREVIOUS ACTION
1) Reviewed and recommended by Water Quality Management Committee (WQMC) on December 21, 2022.

SUMMARY
During the December 21 WQMC monthly meeting, the Committee recommended that the site application for a new lift station for Cherokee Metropolitan District's wastewater treatment plant, be heard and approved by the PPACG BOD at their January meeting.

BACKGROUND
A Site Application Report was developed by JVA Consulting Engineers for Cherokee Metropolitan District to summarize the design of a lift station to replace the current lift station at the District’s Sand Creek Facility that supports Schriever Space Force Base (SSFB). The existing lift station is nearing the end of its useful life and needs replacement.

Cherokee Metropolitan District operates a wastewater collection system that terminates at the Sand Creek lift station headworks and pump station immediately south of Platte Avenue on the east bank of East Sand Creek. This location was formerly the District's wastewater treatment lagoon and has several unlined and lined lagoons, as well as a headworks facility. From the headworks, the flow enters a 1.7-million-gallon equalization pond and wet well. The wastewater is pumped from this wet well by two lift stations in series: the lift station at the Sand Creek Facility and a second lift station approximately six miles east. Both lift stations typically deliver 900 to 1,200 gpm through the force main to SSFB, where it then flows by gravity to the Water Reclamation Facility (WRF) approximately 15-miles to the east. The current equalization pond functions as the wet well for the Sand
Creek lift station. It is open to the air and oversized, which results in a long retention time and odor issues. The existing Sand Creek lift station is an underground vault-type lift station and is a confined space that is difficult to access and maintain. The District has decided to replace the existing lift station with a new equalization wet well and lift station.

**PROPOSED MOTION**
Review and recommend.

**ALTERNATIVES**
The Board of Directors has the following alternatives to consider:

1) Disapprove the item as presented.
2) Approve the item with amendments.

**ATTACHMENT(S)**
1) Site application report

**STRATEGIC PLAN GOALS**
Please select which strategic plan goals this applies to.
- ☒ Advocacy: Serve as an effective advocacy voice for common ground issues.
- ☒ Information Sharing: Serve as a significant resource for PPACG members to collect and share information with regional partners.
- ☐ Aging: Expand and extend senior access, awareness, education, and connectivity to support age-friendly communities and empower individual seniors.
- ☐ Transportation: Maintain and improve a coordinated, validated plan for transportation needs across the PPACG region.
- ☒ Program Excellence: Continue to excel in the key fundamental areas of PPACG: Military support, Environmental programs, Transportation, Area Agency on Aging, and regional communication, and collaboration.