

Thunderbird Water and Sanitation District

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To Douglas County Board of County Commissioners
Lauren Pulmer, Public Policy Analyst

From Thunderbird Water and Sanitation District
Larry Morris, President larrymorris@hotmail.com

Subject Public Funding Letter of Interest

The Thunderbird Water and Sanitation District (TWSD) has several projects that have large funding requirements. The projects are drilling of a new well (\$700,000). The installation of new water meters (\$101,494). The replacement of 27 problem fire hydrants many of which were purchased used in 1970 (\$270,000). The development of infrastructure for recently acquired water rights (\$3,000,000).

TWSD would like to request consideration for funding of two projects through Douglas County's American Rescue Plan Act (ARPA) allocation. The two projects are addressed below.

PROPOSED PROJECT 1

Proposed project 1 is the **drilling of a new well**. Thunderbird Water and Sanitation District has two wells which provide water for 177 households in Indian Creek Ranch subdivision. One well provides water at about 80 gal/m. The other well provides water at only about 20 gal/m or less. The water available in the summer is barely enough to meet demand while pumping 24 hours per day and if the better-producing well stops functioning in the summer there will not be enough water for the community. The District has initiated discussions with a ground water engineer. The engineer indicates that a new deeper well should be able to have much higher water production than the 20 gal/m of the low producing well.

Project location is Indian Creek Ranch, a subdivision of five acre lots, established in 1970 west of Sedalia.

Proposed timeline is to complete the project by November 31, 2022.

Population served by the project is 177 households in Indian Creek Ranch.

Preliminary cost estimate is \$700,000

PROPOSED PROJECT 2

Proposed project 2 is the **installation of new water meters**. The project involves a District-wide removal of all 177 old water meters and the installation of new digital meters. Some of the old meters are fifty years old, inaccurate, manually read, with plastic valves (which can break) and no back-flow preventers. The new meters will have drive-by reading capability, brass valves and back-flow preventers.

The District has already started the project. Ninety-eight meters have been replaced but are only read with an electric-touch wand. Seventy-nine meters still need to be replaced and all meters will need to be equipped with the required radio update to make them capable of drive-by reading.

Project location is Indian Creek Ranch, a subdivision of five acre lots, established in 1970 west of Sedalia.

Proposed timeline is to complete the project by September 30, 2022. Thunderbird is currently having problems obtaining meters and parts. The timeline could be extended if the meters and parts do not become more readily available.

Population served by the project is 177 households in Indian Creek Ranch.

Preliminary cost estimate to finish the project is \$101,494

On behalf of the entire Board of Directors, I thank you for your review and consideration of ARPA funding of TWSD's proposed projects.

Larry Morris