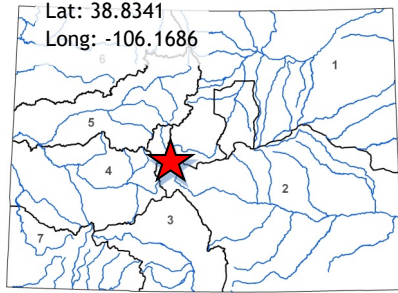




Water Plan Grant Application



L O C A T I O N	
County/Countries:	Chaffee
Drainage Basin:	Arkansas

D E T A I L S	
Total Project Cost:	\$2,215,550
Water Plan Grant Request:	\$1,107,750
Recommended Amount:	\$1,107,750
Other CWCB Funding:	\$0
Other Funding Amount:	\$1,107,750
Applicant Match:	\$1,107,750
Project Type(s):	Study & Construction
Project Category(Categories):	Storage & Supply
Measurable Result:	940 GPM new supply created

The Town of Buena Vista owns and operates a community water system that provides drinking water to residential, municipal, and commercial customers. The population within the Town’s service area is approximately 2,906 full time residents. The Town is considering water system improvements to meet increased demand as the population continues to grow within its service area and to meet drinking water standards for those increased demands. The Town’s water supply consists of groundwater rights and senior surface water rights for Cottonwood Creek, both of which are not currently being fully utilized due to limitations of their existing water treatment capabilities.

The Town primarily relies on an Infiltration Gallery (IG) located in Gorrel Meadows to supply high quality raw water year-round for the Town’s potable water supply. The existing IG and supporting infrastructure has a maximum production rate of 1.15 million gallons per day (MGD), but summer peak day demand currently exceeds 1.15 MGD. Because of this, the Town supplements its supplies during this period with water from a well. The Town also has the ability to divert directly from Cottonwood Creek to the WTP, but there are water quality concerns that require additional treatment, and increased costs, for this approach to be utilized. The IG source does not have these same treatment requirements and so the Town has decided to expand the infiltration gallery to maximize use of its existing groundwater rights.

The project will include design and construction of an expanded IG providing an increase from 800 to 1,740 GPM as a cost effective solution to meet demand.

Funding Recommendation: Staff is recommending a grant of \$1,107,750 from the Storage and Supply category of funding. This is 50% of the project costs and meets the goals of the Supply and Storage category by increasing supply for the Town.

