



Wright Water Engineers, Inc.

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ben.wade@state.co.us.

Ben Wade
Project Manager
Colorado Water Conservation Board
1313 Sherman St. Room 718
Denver, CO 80203

Re: 25% Progress Report for Town of Bayfield Drought Management Plan. CWCB Grant *POGGI PDAA 2019-2884*

Dear Ben,

On behalf of The Town of Bayfield (Town), Wright Water Engineers, Inc., (WWE) is pleased to present you this 25% progress Report for Town of Bayfield Drought Management Plan (Project). CWCB grant *POGGI PDAA 2019-2884* was issued to the Town on May 15, 2019 and expires on July 20, 2020.

Success of Meeting Previously Identified Goals and Objectives

Preliminary goals and objectives have been identified and include:

- Developing a better understanding of water system user categories and their relative annual water demands, including residential, commercial, and Town water users.
- Summarize and document existing water supply sources owned by the Town.
- Developing a drought predictability index to better understand when drought conditions may be present.
- Reasonably quantify water shortages to the Town's water supply during a drought year such as 2002.
- Identifying potential drought response measures and associated trigger points depending on the severity of the drought index.

Obstacles Encountered

- As of the date of this letter no major obstacles have been encountered.

Preliminary Findings or Accomplishments

- WWE has completed a preliminary analysis of the SNOTEL station above Vallecito Reservoir to relate peak winter month snow pack to the subsequent summer's drought severity. This analysis will be used in the drought management plan as an index to predicting summer drought conditions.
- WWE has worked with the Town and their attorney to summarize and better understand existing water rights owned by the Town.
- The Town has provided WWE with up to date water treatment plant data which WWE has analyzed to develop up-to-date per capita water demand estimates.
- The Town has provided WWE with metered water use data by user category, including residential, commercial, Town, and the La Plata Archuleta Water District (LAPLAWD). Commercial water users have been further evaluated to determine the top five commercial water users served by the Town. WWE has consolidated this information and is working to finalize presentation of this information to the Town.
- WWE is in the process of developing a preliminary outline of the Drought Management Plan.

Potential Need for Revisions to the Scope of Work and Timelines

- At this time there has been no identified need for an update to the Scope of Work or project timeline.

Please let us know if you have any questions or concerns.

Sincerely,

WRIGHT WATER ENGINEERS, INC.

By



Peter R. Foster, P.E.
Vice President

cc: Chris La May