



**Wright Water Engineers, Inc.**

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February 19, 2020

[ben.wade@state.co.us](mailto:ben.wade@state.co.us).

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

Re: 50% 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 50% 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. A 25% Progress Report was sent on September 19, 2019. Please note that Katie Sickles has replaced Chris Lamay as the Interim Town Manager of Bayfield.

**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**

- None

### **Preliminary Findings or Accomplishments**

- A draft of the plan is in progress.
- A drought predictability index has been developed based on a relationship between winter SNOTEL data and spring streamflow into Vallecito Reservoir.
- Water shortages to the Town's water supply during a drought year have been estimated.

### **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: Katie Sickles