

# Memorandum

**To:** Project Advisory Committee (PAC) for the Tulare-Kern Funding Area  
Disadvantaged Community Involvement Program;  
Denise England, County of Tulare

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**From:** Jeane Hill, P.E., Provost & Pritchard Consulting Group

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**Subject:** TKFA DACIP Project Development – Buttonwillow CWD Well No. 5 Equipping and Pipeline Project

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**Date:** July 22, 20202

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## Description of Project:

The project consists of final design of the well equipment and transmission pipeline and related facilities for connecting the recently-constructed Well No. 5 to the Buttonwillow County Water District (BCWD) domestic water distribution system and the Buttonwillow Recreation and Park District (BWRPD) irrigation system. Specific tasks include Survey and Utility Investigation, Easement Preparation, Well Pump Design, Electrical Design and PG&E Coordination, Well Equipment and Transmission Pipeline Final Design, Permitting, Project Management, IRWM Grant Application Preparation, and Coordination with the IRWM Group.

**Project Development Grant Amount:** \$55,171.00

## Stakeholder Summary:

Community of Buttonwillow; Buttonwillow Recreation and Park District

## Project Deliverables (List Here and Attach):

- Easement Descriptions and Maps
- Final Construction Documents (Plans, Specifications, and Cost Estimate)
- Notice of Exemption
- IRWM Round 2 Implementation Grant Application (Project Information Form)

## Challenges Encountered:

- Much of the pipeline alignments were crossing private properties so easements were obtained from the property owners.
- The hydraulics to feed the irrigation system from the existing domestic water storage tank were borderline, especially when a backflow preventer was added to protect the domestic water system from cross connection. A hydraulic model was conducted to determine the facilities that were needed to improve the hydraulics and the results were incorporated to the final design.

- It is important to maintain water service to the community and the BWRPD during construction to the extent possible. Coordination and Order of Work items were discussed with and approved by the two districts. The approved approach was included in the Final Contract Documents and will require the successful bidder to coordinate with both districts and with the adjacent landowner to minimize any impacts to their operations.

**Agency Review:**

BCWD and their attorney reviewed the contract documents at the 90% completion level and provided comments that were incorporated to the Final contract documents. BCWD also discussed the 90% complete plans and coordination requirements with the BWRPD, their partner on the project.

The State Division of Drinking Water reviewed contract documents at the 90% completion level and provided comments that were incorporated to the Final contract documents.

**Next Steps:**


The project was publicly bid. It was advertised in the Bakersfield Californian newspaper on June 22 and 29, 2020, and a pre-bid meeting and site tour was conducted on June 29, 2020. The public bid opening occurred on July 17, 2020 and the low bid was \$933,828.91. The BCWD Board of Directors awarded the contract to the lowest responsible, responsive bidder at their board meeting on July 21, 2020. Contracts will be executed within approximately 2 weeks and construction is anticipated to begin on August 10, 2020. The construction duration is 210 calendar days from the Notice to Proceed.

**Certification:**

The undersigned hereby certify that the project was completed with deliverables meeting the intent of the approved project development funding.

  
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Jeane Hill, P.E.  
Project Manager  
Provost & Pritchard Consulting Group

7/22/2020  
Date

  
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Regina Houchin  
Manager  
Buttonwillow County Water District

7/22/2020  
Date