

Upper Feather River Integrated Regional Water Management Plan Proposition 50 Grant Agreement No. 4600007650

Project Performance & Monitoring Report

Project No./Name: Greenville Water and Sewer System Repairs Project

Project Proponent: Indian Valley Community Services District (IVCSD)

Progress Report No.: 3

Reporting Period: 2020

Date of Post-Performance Report: 5/7/2021

Project Specific Output Signatures			
	Yes	No	Comments
Has the project been operated and maintained in accordance with all state and federal permits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
Project Specific Outcome Indicators			
	Yes	No	Comments
How many feet/miles of water mains were replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See narrative below.
How many new water meters were installed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
How many new fire hydrants were installed and do they have sufficient flow capacity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Two new fire hydrants were installed; both have sufficient flow capacity. See narrative below.
Has implementation of the project reduced overall operating costs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did you meet the goal of your project? If yes, please provide a brief description stating how you achieved this goal. If no, please comment as to why the goal was not achieved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See narrative below.
	<input type="checkbox"/>	<input type="checkbox"/>	
Other Standard Reporting Requirements: Please indicate other monitoring/reporting requirements you may already be required to do independent from DWR contractual obligations. For example: CDPH Title 22 Ch. 15 "Domestic Water Quality AND Monitoring Regulations," NPDES, GAMA, CASGEM, or other internal reporting requirements that may yield valuable data.			
	Yes	No	Comments
Domestic Water Quality & Monitoring Regulations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Monthly Monitoring Reports are on file in the IVCSD office and are available upon request.
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

	<input type="checkbox"/>	<input type="checkbox"/>	
What Upper Feather River IRWM Plan Objectives did your project address to support implementation of the Plan?			
	Yes	No	Comments
Restore natural hydrologic functions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reduce potential for catastrophic wildland fires in the Region	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All of Greenville is within the wildland urban interface. Two new hydrants bolster efforts to fight wildfire both directly & indirectly (ember cast).
Balance the needs of forest health, habitat preservation, fuels reduction, forest fire prevention, and economic activity in the Upper Feather River Region	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Build communications and collaboration among water resources stakeholders in the Region	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Work with Department of Water Resources to develop strategies and actions for the management, operation, and control of the State Water Project facilities in the Upper Feather River Watershed in order to increase water supply, recreational and environmental benefits to the Region	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See narrative below.
Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Address economic challenges of municipal service providers to serve customers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See narrative below.
Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the Central Valley Regional Water Control Board Basin Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See narrative below.
Address water resources and wastewater needs of Disadvantaged Communities (DACs) and Native Americans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This is a project goal.
Coordinate management of recharge areas and protect groundwater resources	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Improve coordination of land use and water resources planning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Maximize agricultural, environmental and municipal water use efficiency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See narrative below.

Effectively address climate change adaptation and/or mitigation in water resource management	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Improve efficiency and reliability of water supply and other water-related infrastructure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This is a project goal.
Enhance public awareness and understanding of water management issues and needs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Address economic challenges of agricultural producers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Work with counties, communities, and groups to make sure staff capacity exists for actual administration and implementation of grant funding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

1. Summary of the operations of the project.

Numerous repairs to the Greenville water & sewer systems were implemented due to this Project. The repairs reduced the risk of system failure and contamination while the relocation of several water lines on CA Hwy 89 allowed for partner installation (Caltrans) of several new storm drain systems.

This project specifically addressed Environmental Protection Agency’s (EPA’s) National Enforcement Initiative to reduce raw sewage overflows and stormwater discharges.* The sewer system improvements included numerous sewer main repairs, cleaning and jetting of mains, replacement of a clean-out, and root treatment, the results of which significantly reduced the risk of system failure, protecting Wolf Creek from contamination with raw sewage.

The improvements to the water system, including replacement of water mains, new water service & meters, and numerous gate valves, prevents contamination of the water supply.

**Under the Clean Water Act’s National Pollutant Discharge Elimination System (NDPES) program, the EPA regulates discharges from industrial facilities and municipalities.*

2. Discuss project benefits to water quality, water supply, and the environment.

Project benefits include reducing water loss and reducing maintenance costs for aging infrastructure. Installing new water lines also reduces the risk of contaminating Wolf Creek from stormwater discharges and leaking wastewater pipes. The Project-related water savings were substantial enough to enable the IVCS D to install two new fire hydrants, providing additional project benefits by enhancing fire protection in Greenville. The project-related water savings have also resulted in more consistent and higher water pressure, in addition to higher flows for IVCS D customers in the vicinity of the project.

3. Comparison and explanation of any differences between expected versus actual project success in meeting IRWM priorities as stated in the original IRWM Implementation Grant application.

The Project achieved an unanticipated reduction in stormwater inundation. Because an existing 10-inch main was too shallow for Caltrans' Hwy 89 street reconstruction project specifications, Caltrans was required to replace an additional 75 feet of 10-inch water line. The difference between expected and actual Project success was the enhanced stormwater management benefits that accrued to the IVCSO as a result of this pipe replacement.

4. Summary of any additional costs and/or benefits deriving from the project.

The Project did not create any additional costs, but the related/interwoven Caltrans project delayed IVCSO operations and maintenance priorities elsewhere in the Greenville system. Because of the accelerated pace of the Hwy 89 downtown Greenville reconstruction project, IVCSO staff needed to be available to coordinate staff and equipment with Caltrans, ensuring timely completion of the highway reconstruction. Greenville is a severely disadvantaged community (SDAC) and operating revenues limit available staff as does the construction season that is a result of Greenville's approximately 4000' elevation in the Sierra Nevada. While the Caltrans project greatly benefitted the IVCSO, other IVCSO operations and maintenance priorities were delayed as staff responded to the accelerated pace of the implementation schedule.

5. Additional information relevant to or generated by the continued operation of the project.

In a second example of inter-related Project accomplishments/costs, the Caltrans project was anticipated to have been accomplished in coordination with street repair activities scheduled by Plumas County Public Works (PCPW) in the vicinity of the Caltrans Hwy 89 project. The IVCSO anticipated cost savings to the IVCSO through coordination with PCPW & Caltrans. Unfortunately, PCPW construction funds were delayed until the following year's construction season. For a second year, IVCSO staff and equipment were redirected to support the PCPW street project. The IVCSO again incurred incidental costs related to shifting and delaying internal priorities for a second year to meet PCPW grant and construction deadlines. IVCSO is grateful for the benefits derived from the PCPW project and continues to work on the deferred maintenance.