

Water Sustainability Fund Annual Report for Application # 5196

CPNRD Drought Management Plan and Local Drought Monitor

Contract Date: November 28, 2017

Amount Obligated: \$60,000

Current Project Activities:

BOR grant applications have been submitted to secure funding to implement following drought mitigation measures to increase water use efficiency and resiliency.

2024 Anticipated Activities

If the BOR grant funding is approved, the project will:

Install five Rubicon or equivalent water-automated precision gates, two slip gates, and three slip meter gates. The gate's ability to accurately measure high and low flow rates and automatically adjust will increase water use efficiency.

Install thirteen automated precision gates at eleven sites. The canal network will implement automated headgates into a SCADA system for remote monitoring and control. The system will provide the ability to accurately measure high and low flow rates and automatically adjust, which will increase water use efficiency.

Install the Flowmeter, Telemetry and Data Management System. This system will use telemetry-enabled irrigation flow meters to autonomously measure, report, and analyze daily groundwater pumping data in 100 groundwater wells strategically distributed across CPNRD.

Projected Project Expenses for Remainder of Project

Reimbursements were requested and awarded in the amount \$11,326.80. Of the requested amount (\$60,000) \$5,400.00 remains.

Reassessment of Project Benefits

TBD