

# CASE STUDY



## Major Irrigation District Drives Reporting and Efficiency Goals with Wexus IoT Software

### CORCORAN IRRIGATION DISTRICT

#### About

Corcoran Irrigation District (CID) has been a supplier of agricultural irrigation water and service in California's Central San Joaquin Valley since 1919. CID covers about 49,000 acres which includes active agriculture, rural residences, and reservoirs. Irrigation facilities include approximately 200 miles of canals and 2 miles of pipeline. CID operates 3 reservoirs with a total capacity of 8,000 acre feet and owns and operates a combined total of 89 wells and pump stations. CID has surface water supply from the Kings and Kaweah River.



\$426,289 savings  
identified



89 irrigation  
pumps



+1,400 bills  
tracked



362 hrs  
saved/yr



*"We have to recreate and innovate in order to be sustainable. The old ways that once worked do not work today. With Wexus we are able to select the changes that makes the difference for us which sets up the District for success on improving efficiency, water and costs savings."* - Gene Kilgore, General Manager

CID was spending in excess of **\$530,000** per month on utility bills across 89 wells and pump stations in their district, spanning over 41,000 acres. They needed to reduce electricity costs and to track irrigation pump efficiency and water consumption in real time. The District performed many pump tests and improved efficiency and water production with no easy way to monitor pump performance on an ongoing basis. Unfortunately, CID only had a handful of digital flow meters at a few wells and was short-staffed for tracking maintenance issues.

The Wexus team solved these problems by deploying IoT software and hardware to submeter energy and water consumption and costs in real-time for all pumps across the district. **This allowed CID's team to see how energy efficiency impacted their real cost of water delivery** and to make better decisions around equipment maintenance and operational reporting.

To date, Wexus software has identified almost **8%** of monthly electric costs and efficiency gains, resulting in estimated cost savings of nearly **\$35,524** per month.