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## PROJECT DETAILS

PROOF IS IN OUR WORK

PROJECT  
REPRESENTATIVE  
GROUNDWATER MONITORING  
ON CALIFORNIA'S CENTRAL  
VALLEY DAIRIES

CLIENT  
CENTRAL VALLEY DAIRY

LOCATION  
CENTRAL VALLEY

YEAR BUILT  
2019

# A PIONEERING APPROACH TO INDUSTRY-WIDE GROUNDWATER MONITORING

We devised a pioneering, industry-wide monitoring well network in response to the Regional Water Quality Control Board's Dairy General Order (R5-2007-0035). The Dairy General Order was the Regional Board's first effort to address agricultural non-point source contamination of groundwater and required the installation of monitoring wells on all ~1,370 regulated dairies.

Our new approach generates information representative of the entire industry on a subset of only 42 dairies from a network of 443 monitoring wells. It takes advantage of key similarities between dairies and site conditions while fully accounting for substantive differences. The representative nature and functionality of the network was vetted by two expert advisory committees.

The results are impactful. A key program summary report found that approximately 94 percent of nitrate losses to groundwater are linked

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