



Fresno Irrigation District

Well Meter Requirements

Fresno Irrigation District (District) has received grant funding that may be used to assist landowners with the cost to purchase and install meters on wells. To be eligible for this assistance, the meter shall meet the requirements identified herein. Meters are owned by the landowner, and any repairs or replacement equipment are the responsibility of the landowner.

Meter Requirements:

1. The meter shall be an electromagnetic flow meter with microprocessor-based signal converter capable of communicating with remote telemetry.
2. The meter shall be either a flange or saddle type meter.
3. The meter shall contain a flow sensor based on Faraday's law of electromagnetic induction.
4. The meter shall be accurate to within plus or minus two percent (+/- 2%) of actual flow.
5. The meter shall report and display instantaneous flow rate and a totalizer capturing total pumping volume, with instantaneous flow reported in gallons per minute (GPM) and total pumping volume reported in acre-feet (AF).
6. The meter shall be appropriately sized for the production rate and discharge piping of the well.
7. The meter shall have a measurement range that matches the expected range of production rates from the well on which it is installed.
8. Meters must be installed in strict adherence to all applicable manufacturer specifications by an approved contractor.
9. Testing and calibration of meters shall be performed at landowner expense by a District or manufacturer-approved contractor at intervals specified by the meter manufacturer. Calibration records shall be made available to the District.