

## Meter Installation Information Sheet

### New Installations

Water flowmeters that must be installed as a requirement of this Meter Order must meet the following criteria:

- 1) The water flowmeter must be on the list of Approved Water Flowmeters, please note that the water flowmeter manufacturer is responsible for obtaining State approval. The manufacturer's and their representative should be responsible for ensuring the appropriate and adequate water flowmeter for each individual installation.
- 2) The water flowmeter must be installed in a manufacturer's approved measuring chamber with flow-straightening vanes. The only exception to flow straightening vane requirements are meters that use full bore electromagnetic, multijet or positive displacement technology (meters that do not have propellers/turbines).
- 3) The water flowmeter must be installed with adequate straight pipe upstream and downstream, which is a **minimum** of 5 upstream pipe diameters and 2 downstream pipe diameters from the sensor (propeller/turbine) portion of the water flowmeter. For example, an 8 inch meter would require at least 40 inches of straight pipe upstream of the meter sensor and 16 inches downstream of the meter sensor. The only exception to spacing requirements are water flowmeters utilizing multijet and positive displacement technology (meters that do not have propellers/turbines). However, if the manufacturer's spacing requirements are greater than 5 upstream pipe diameters and 2 downstream pipe diameters, then the water flowmeter must be installed to meet the manufacturer's minimum spacing requirements.
- 4) The water flowmeter is installed to meet or exceed the manufacturer's installation requirements.
- 5) The water flowmeter is sized and installed so that full pipe flow will be maintained through the flowmeter.
- 6) The maximum water velocity does not exceed the range of velocity of the water flowmeter. The water flowmeter must also meet the minimum velocity range of the producing well.
- 7) The water flowmeter is installed at a location where all water diverted from the source of supply is measured.
- 8) The water flowmeter totalizer must have sufficient capacity so that it does not cycle past zero (rollover) more than once each year. This will be specific to your particular installation. (Acre Feet vs Gallons vs Acre Inches)