

Mechanical Propeller Flow Totalizing Meter

Attachment C. Cost Analysis

	Alternate Device: Existing (installed prior to Januray 1, 2016)	New Device: Meets Regulation Requirements
	Measuring Devcie: Existing Mechanical Propeller Flow Totalizing Meter Monitoring Device: Flow Totalizer Dial is manually read and recorded	Measuring Device: Ultrasonic meter Monitoring Device: Data Logger
1) Capital Cost	\$0	\$5,000
2) Power Supply (i.e. battery, and solar panel to recharge battery)	\$0	\$2,000
3) Labor for site preparation for new equipment	\$0	\$1,500
4) Installation of new devices	\$0	\$400
5) Initial Calibration and Certification of Accuracy	\$600	\$600
6) Annual Operation and Maintenance		
Manual monitoring	\$500	n/a
Routine Maintenance	\$500	\$0
Troubleshoot and repair meter malfunctions	\$0	\$600
Routine Calibration and Certification of Aaccuracy	\$200	\$200
7) Capital Replacement Average annual cost based on life cycle Assume: 5-year life for ultrasonic meter with data logger & power supply 10-year life for alternate (existing) mechanical flow totalizing device	\$100	\$1,400
8) CEQA Documentation	\$0	\$4,000
9) Permits	\$0	\$2,000
Total	\$1,900	\$17,700