

## Mechanical Propeller Flow Totalizing Meter

### Attachment C. Cost Analysis

	Alternate Device: Existing (installed prior to January 1, 2016)	New Device: Meets Regulation Requirements
	Measuring Device: Existing Mechanical Propeller Flow Totalizing Meter Monitoring Device: Flow Totalizer Dial is manually read and recorded	Measuring Device: Ultrasonic meter Monitoring Device: Data Logger
<b>1) Capital Cost</b>	\$0	\$5,000
<b>2) Power Supply</b> (i.e. battery, and solar panel to recharge battery)	\$0	\$2,000
<b>3) Labor for site preparation for new equipment</b>	\$0	\$1,500
<b>4) Installation of new devices</b>	\$0	\$400
<b>5) Initial Calibration and Certification of Accuracy</b>	\$600	\$600
<b>6) Annual Operation and Maintenance</b>		
Manual monitoring	\$500	n/a
Routine Maintenance	\$500	\$0
Troubleshoot and repair meter malfunctions	\$0	\$600
Routine Calibration and Certification of Accuracy	\$200	\$200
<b>7) Capital Replacement</b> 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
<b>8) CEQA Documentation</b>	\$0	\$4,000
<b>9) Permits</b>	\$0	\$2,000
<b>Total</b>	<b>\$1,900</b>	<b>\$17,700</b>