

## IMPORTANCE OF WATER

*"The increasing costs of inefficient water use and negative impacts on water quality, as well as the positive economic opportunities involving water, are driving demand for more information..."*

'The Importance of Water to the U.S. Economy'  
EPA, 12/2012



~80% of Oregonians get their drinking water from public water systems.

*"In the case of drinking water quality management, there is increasing recognition that addressing the complex root causes of water contamination is a more effective and sustainable approach than reacting to problems after they occur."*

The United Nations World Water Development Report 4, 2012



## A NEW APPROACH

*The speed and reliability of well-established spectrophotometric technology with rapid modern computational and communication technology.*

# LiquID™

- 100% optical, no consumables. -
- Results every 2 minutes. -
- No operator intervention. -

**CONTINUOUS DATA RECORD:**  
Readings at high definition with embedded, automated calibration validation.

**EFFICIENT OPERATION:**  
Allows operators to focus on their business and improve processes while controlling the impact on the environment.

**DIRECT MEASUREMENT:**  
Characterize complex water matrices to improve quality and value of the product while making the process of data acquisition less expensive and safer.



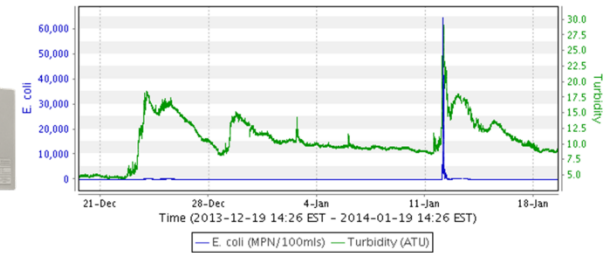
## CONTINUOUS MONITORING

*Real-time E. coli monitoring for process control;*  
**INCREASE CONTROL – REDUCE RISK.**

A U.S. Environmental Protection Agency study determined the ratio of contaminant cleanup costs to basic prevention ranges from 5:1 to 200:1. Real time data enables operators to proactively respond to emerging threats.

### WHAT DOES AN EVENT LOOK LIKE?

(How does your process respond?)



### DID YOU SAMPLE DURING THE CRITICAL EVENT?

(readings per month)

Grab Samples & Lab Testing 30

**LiquID Station 21,000**

### WHEN WILL YOU KNOW?

(result frequency)

Grab Samples & Lab Testing 18 HOURS

**LiquID Station 2 MINUTES**