

**Information to be included in all Legislation authorizing
Entering into Contracts:**

The names of all companies bidding, or submitting an RFP or RFSQ

Yokogawa Fluid Imaging Technologies, Inc.

The location by City and State of all companies bidding, or submitting an RFP or RFSQ

Yokogawa Fluid Imaging Technologies, Inc. – Scarborough, ME

The status, Majority, MBE or FBE, of all companies bidding, or submitting an RFP or RFSQ

Yokogawa Fluid Imaging Technologies, Inc. - MAJ

A full description of all work to be performed including a full description of work to be performed during any known phasing of the contract.

The Division of Water started an algae monitoring program in 1938, due to a severe algal bloom on Griggs Reservoir that produced musty/earthy tastes and odors in the finished drinking water. Historically, taste and odors in the drinking water were one of the biggest causes of customer complaints. More recently it has been shown that some types of algae (cyanobacteria) can also produce cyanotoxins. In addition, other types of algae (diatoms) cause problems during treatment including filter clogging, which can shut down the water plant if it goes unchecked. FlowCam is a semi-automated microscope with image recognition technology. FlowCam can identify and quantify the cyanobacteria, diatoms, and other nuisance algae faster than an individual using a microscope. This increases sample throughput. FlowCam also measures the morphology (biovolume) automatically, which is a time consuming process if completed manually. In addition, with FlowCam the method will remain consistent regardless of staff turnover. While FlowCam will not completely eliminate manual algae counts under the microscope. The ultimate goals of using FlowCam include increased sample throughput, reducing long hours on the microscope for staff, and faster sample analysis - which will enable more timely adjustments to treatment at the water plants.

A narrative timeline for the contract including a beginning date, beginning and ending dates for known phases of the contract and a projected ending date.

n/a

An estimate of the full estimated cost of the Contract including a separate estimate of any and all phases or proposed future contract modifications.

\$126,817.00