

Capital Project for Replacement Pumps and Piping for the Actiflow High Rate Sand Ballasted Tertiary Treatment Phosphorus Removal System at the Ithaca Area Wastewater Treatment Facility (IAWWTF)

WHEREAS, the Ithaca Area Wastewater Treatment Facility (IAWWTF) requires tertiary treatment for phosphorus removal to meet discharge permit limits, and

WHEREAS, the current system has lost redundancy due to sand pump and chemical pump failures, and

WHEREAS, the current style and age of pumps have contributed to redundancy and reliability concerns, and

WHEREAS, piping associated with the system has worn thin in places due to the abrasive sand pumped in the system, and

WHEREAS, electronic and control systems associated with the chemical feed system do not meet current standards, and

WHEREAS, Koester Associates are the exclusive local representative for the Kruger ActiFlow system, and

WHEREAS, a proposal has been provided by Koester Associates for \$93,350.00 which includes:

- A. Supply and install 2 McLanahan 3X3 Sand Pumps,
 - a. Removal/demo of old pumps and piping.
 - b. Provide all material and labor for the purpose of replacing and installing new pumps.

- B. Supply and install 2 Verder 5000 peristaltic chemical feed pumps
 - a. Provide skid with valves, pressure dampeners and calibration column.
 - b. Provide all PVC valves, unions, piping required to retrofit into existing process.
 - c. Includes labor, start up and training.

WHEREAS, a contingency fund of 10% (\$9,335.00) is necessary to allow for replacement of piping discovered to be deteriorated/failing that is not covered by the above work, subject to a time and material proposal, in addition to electrical/instrumentation work associated with new pump installation, now, therefore, be it

RESOLVED, that the Special Joint Committee (SJC) recommends to the Owners to establish IAWWTF Capital Project 424J Replacement Pumps and Piping for the Actiflow Tertiary Treatment Phosphorus Removal System in an amount not to exceed \$102,685.00, and be it further

RESOLVED, That SJC hereby recommends authorization of this project contingent upon action by all wastewater partners committing their percentage of reimbursement shares to the Joint Activity Fund allocated per the Joint Sewer Agreement as follows:

Municipality	Percentage	Project Cost
City of Ithaca	57.14	\$58,674.21
Town of Ithaca	40.88	\$41,977.63
Town of Dryden	1.98	\$2,033.16
		\$102,685.00