

## **Resolution for Ithaca Area Wastewater Treatment Facility (IAWWTF) – Boiler Replacement**

WHEREAS, the IAWWTF contains four (4) existing hot water boilers that are used for hydronic building space heating as well as process heating of the aerobic digesters, and

WHEREAS, the existing dual fuel boiler which may run on natural gas or biogas is a cast iron boiler that was installed in 1987 during the inception of the IAWWTF, and has an anticipated service life of 35 years, and

WHEREAS, in daily operational status inspections by staff, it has been apparent that each of the 4 boilers have developed issues with leaks, maintenance problems, and failures, resulting in a loss of adequate redundancy and reliability needed for the essential heating of the IAWWTF and for essential process heating, and

WHEREAS, a professional conditional survey of the four boilers by MRB Consultants in 2020 described:

- Cast Iron Boilers – Cracks and leaks within the heat exchanger piping and within the boiler firebox. Problems are consistent with age so boilers are beyond their useful service life. Recommend replacement.

WHEREAS, the dual fuel cast iron boiler is no longer functional, and

WHEREAS, the replacement of the IAWWTF cast iron dual fuel boiler with two (2) high efficiency *non-condensing* packaged boilers is a recommendation within the MRB report, and

WHEREAS, due to the essential heating role of the boilers in the proper functioning of the IAWWTF, the time required for the purchase, demolition, and installation of replacement boilers and all appurtenances, as well as the imminent heating season, staff deems this as an “emergency situation” which requires immediate action on the part of the IAWWTF, and recommends the immediate replacement of the existing dual fuel boiler with two high efficiency non-condensing packaged boilers, and

WHEREAS, the IAWWTF received a cost proposal from J.W. Danforth for the replacement of the dual fuel boiler, in the amount of \$601,580.56.

Now, therefore be it

RESOLVED, that the Special Joint Committee recommends to its municipal boards the approval of emergency funding for replacement of the non-functional cast iron boiler, for a cost, with contingencies, not to exceed Six Hundred and Fifty Thousand Dollars (\$650,000), and be it further

RESOLVED, that funds necessary for said replacement of the non-functional cast iron boiler be derived from the following sources as determined by the City Controller: amendment to capital project 423J, operating funds, Fund balance, serial bonds, capital reserves, grants and Federal stimulus funds.