



MEMORANDUM

December 3, 2013

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator
David Parker, City Engineer/CIP Executive
Mark Hilty, Water Management Director

SUBJECT: Consideration Of Resolution 2013-83, A Resolution to Approve the Purchase of the Interim Ultraviolet (UV) Disinfection Equipment Purchase for the Franklin Water Treatment Plant in Order to be in Compliance of the EPA Long Term 2 Surface Water Treatment Rule.

Purpose

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) with information to consider purchase of UV disinfection equipment for the Franklin Water Treatment Plant (WTP) to meet the intent of the Long Term 2 Surface Water Treatment Rule (LT2 Rule).

Background

Under the LT2 Rule the City of Franklin WTP is required to implement a treatment strategy to achieve the intent of the rule by September 30, 2014. This strategy has been planned for during previous water treatment studies including the Integrated Water Resources Plan (IWRP) and included in the Scope of Work for the design and construction of the WTP Upgrade. However, based on the design and construction schedule for the WTP upgrades that includes the ultimate solution (UV disinfection) to meet the LT2 Rule, it has become necessary to advance an interim UV disinfection treatment upgrade ahead of the rest of the construction in order to achieve the LT2 Rule compliance schedule. Staff through our design consultant requested an extension of the LT2 Rule compliance deadline to better coincide with the WTP Upgrade project, but this extension request was denied by TDEC.

Consistent with recommendation presented to the Board of Mayor and Aldermen (BOMA) at the November 5, 2013 Special Work Session, the City of Franklin and Smith Seckman Reid (SSR) performed a selection process for the purchase of UV equipment to be installed at an interim location in the treatment train. The equipment will be moved in the future to a permanent location during the construction of the WTP upgrades.

As summarized in Attachment A, Requests for Proposals (RFPs) were solicited from multiple vendors. The City and SSR received one response on October 31, 2013 from Trojan Technologies for \$119,700. Based on original estimates, this is \$40,300 less than anticipated.

Financial Impact

The financial impact, as defined in Attachment A is \$119,700. Estimates for the equipment cost had been \$160,000. This project cost is part of the Water Capital Investment Program, approved projects in Phase I of the IWRP implementation.

Recommendation

Approval of the purchase for UV disinfection equipment from Trojan Technologies is recommended.