

**Memorandum
Public Works Department**



To: City Manager
Subject: Raw Water Mixer Purchase
Date: June 17, 2020
Number: 2020-080

The City of Rock Island has four (4) raw water mixers at the Water Treatment Plant. These mixers play a large role at the start of the treatment process by mixing chemicals into the raw water. These mixers are the original mixers from when the pulsator building was built in 1998.

In October, 2019, one of these mixers had a mechanical failure. After talking to Philadelphia Mixing Solutions, the mixer was shipped to Philadelphia Mixing Solutions for repair. After a total factory tear down, we were told that the repairs would cost more than a new unit. The repair quote was \$31,067.00. The cost of a new unit is \$19,855.97.

This mixer unit will attach directly to the current mounting plate so that modifications are not required.

Recommendation

The Public Works Department recommends that the City Council approve payment to Philadelphia Mixing Solution, Palmyra, PA for the sole source purchase of one (1) raw water mixer unit in the amount of \$19,855.97.

Vendor: Philadelphia Mixing Solution, Palmyra, PA.
Payment Amount: \$19,855.97

Fund:	501	Water Operations
Department:	618	Utilities Services
Cost Center:	352	Water Treatment Plant
Object Code:	52305	Auto/Equipment Supplies

Requisition Number: R008137

Submitted by: Michael T. Bartels, Public Works Director
Jason Upton, Utilities Superintendent
Travis Matlick, Water Plant Supervisor

Approved by: Randall D. Tweet, City Manager