



AGENDA MEMORANDUM

Action Item for the City Council Meeting of October 01, 2019

DATE: October 01, 2019

TO: Peter Zaroni, City Manager

FROM: Kevin Norton, Director of Water Utilities
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<p align="center">Supply Agreement for Hydrofluorosilicic Acid for Water Treatment for the O.N. Stevens Water Treatment Plant</p>
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CAPTION:

Resolution authorizing a two-year supply agreement with Pencco, Inc., of San Felipe, Texas, for the purchase of fluoride to be used during the water treatment process, for a total amount not to exceed \$388,800.00, effective upon issuance of notice to proceed and funded through the Water Fund.

SUMMARY:

This is a supply agreement for hydrofluorosilicic acid (i.e., fluoride) for the O.N. Stevens Water Treatment Plant (ONSWTP), for a total amount not to exceed \$388,800.00. The Centers for Disease Control and Prevention, World Health Organization, U.S. Public Health Service, American Medical Association, American Dental Association, Corpus Christi-Nueces County Local Health Authority, and local dentists and pediatricians recommend the addition of fluoride to drinking water.

BACKGROUND AND FINDINGS:

Hydrofluorosilicic acid is added in the treatment of potable (drinking) water through a controlled liquid feed system to reduce the incidence of dental cavities and tooth decay. The City of Corpus Christi Water Utilities Department adds fluoride to the drinking water and has been doing so since 1950. In 1948, a local dental association requested that fluoride be added to the water. By 1950, equipment was in place to do so. The addition of fluoride was sponsored by state and local health departments, and this practice continues today. A low level of fluoride exists naturally in the City's raw water sources from the Nueces River, Lake Texana, and Colorado River. At ONSWTP, enough fluoride is added to bring the fluoride level to the optimal recommended level. The cost of

providing this public health service is 4-5% of the annual ONSWTP chemical budget.

The City currently receives hydrofluorosilicic acid from Univar of Kent, Washington. Contracts and Procurement Department conducted a competitive Request for Bid process to obtain bids for a new contract. The City received four responsive, responsible bids, and is recommending award to the lowest, responsive, responsible bidder, Pencco, Inc.

ALTERNATIVES:

An alternative to accepting the lowest, responsive, responsible bidder, Pencco, Inc. would be to reject all bids and discontinue the practice of fluoridation. Discontinuing the practice of fluoridation would be against the recommendation of fluoridation by several agencies including local dentists and pediatricians.

FISCAL IMPACT:

The total value for a two-year supply agreement with Pencco, Inc. for the purchase of hydrofluorosilicic acid (fluoride) to be used during the water treatment process is not to exceed \$388,800.00, and the amount to be funded in FY2020 is approximately \$194,400.00.

Funding Detail

Fund:	4010 Water
Organization/Activity:	31010 Stevens Filter Plant
Mission Element:	062 Treat water
Project # (CIP Only):	N/A
Account:	520010 Purification Chemicals

RECOMMENDATION:

Staff recommends approval of this resolution authorizing a two-year supply with Pencco, Inc., of San Felipe, Texas, for the purchase of hydrofluorosilicic acid as presented.

LIST OF SUPPORTING DOCUMENTS:

Supply Agreement
Bid Tabulation