

Memorandum



CITY OF DALLAS

DATE February 7, 2019

TO Honorable Members of the Mobility Solutions, Infrastructure and Sustainability Committee

SUBJECT **February 13, 2019 City Council Agenda Item 15 – Property Purchase of 311 Larkin Road**

On Wednesday, February 13, 2019, City Council will be presented with agenda item #15, which will authorize the purchase of approximately 113 acres adjacent to the East Side Water Treatment Plant located in Sunnyvale, Texas for an amount not to exceed \$4,925,000. This purchase will provide the necessary space for new treatment facilities to more efficiently process and dispose of water treatment residuals, enhance the overall quality of treated water, and reduce raw water usage. In addition, the land will be utilized for planned water transmission pipelines, provides staging areas for construction and maintenance, enhances site security, and offers flexibility for future facilities.

The East Side Water Treatment Plant is the largest of Dallas' three water treatment plants with a treatment capacity of 440 million gallons per day. The current process for handling treatment residuals consists of the transfer of solids to on-site and off-site lagoons. The current system does not allow for the separation of solids handling streams as outlined in the 2010 Water Quality Study. Further, the existing on-site lagoons are nearing the end of their useful life and improvements are needed to ensure reliable operation of the plant.

An upcoming agenda item for the design of a new residuals handling system will be presented to City Council for approval in Spring 2019. This design is the last phase of improvements recommended in the 2010 Water Quality Study for the East Side Water Treatment Plant. The proposed work includes the construction of facilities for separation of flow streams, lagoon improvements, and thickening and dewatering facilities. Several alternatives were evaluated, and the planned approach has the lowest cost and greatest overall benefit to the utility.

Full implementation of the improvements will require two construction projects, the first of which is planned for late 2020 and includes civil work and lagoon improvements. The first construction phase will allow continued operation without negative impacts to plant capacity and prepares the plant for mechanical improvements in the second construction contract. The second phase will be awarded in early 2021 and includes modifications to the existing pumping systems, new facilities for the separation of flow streams and the thickening and dewatering of residuals.

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If you have any questions or concerns please contact Terry Lowery, Director of Dallas Water Utilities, at 214-670-3143.



Majed A. Al-Ghafry, P.E.
Assistant City Manager

c: Honorable Mayor and Members of the City Council
T.C. Broadnax, City Manager
Chris Caso, City Attorney (Interim)
Carol A. Smith, City Auditor (Interim)
Biliera Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bizer Tolbert, Chief of Staff to the City Manager

Jon Fortune, Assistant City Manager
Joey Zapata, Assistant City Manager
Nadia Chandler Hardy, Assistant City Manager and Chief Resilience Officer
M. Elizabeth Reich, Chief Financial Officer
Laila Alequresh, Chief Innovation Officer
Directors and Assistant Directors