

December 11, 2024

WHEREAS, on November 9, 2022, the City Council authorized a contract with HDR Engineering, Inc. to prepare the City's Long Range Water Supply Plan (the Plan) to the year 2080 and beyond; and

WHEREAS, the Plan identified reductions in demands due to a decline in the rate of population growth and the reduction in the per capita water usage, due to substantial water savings from Dallas' water conservation programs as identified in Dallas' Water Conservation Five-Year Strategic Plan including time of day watering and maximum twice weekly outdoor watering; and

WHEREAS, the Plan identified a reduction in the currently connected water supply due to sedimentation and the projected increase in evaporation due to increased temperatures associated with climate change over the 55-year planning horizon; and

WHEREAS, comparing the projected water demands with the currently connected water supply by decade, the City's projected water needs in excess of current supplies were identified; and

WHEREAS, the City needs to obtain and connect additional water supply to meet the future needs of the citizens and customers of Dallas; and

WHEREAS, to meet the projected water needs, the Plan reviewed and updated the 2014 Long Range Water Supply Plan recommended and alternative strategies and identified additional interstate and local strategies; and

WHEREAS, the strategies were evaluated and ranked utilizing cost, permitting, environmental, water quality, reliability, and equity factors; and

WHEREAS, the Recommended Strategies are additional conservation, indirect reuse, (main stem pump station and main stem balancing reservoir), continuation of the connection to Lake Palestine through the Integrated Pipeline Project and associated connection to Dallas' system, conjunctive use of Carrizo Wilcox groundwater with surface water in the Sabine River Basin, and additional water from the Neches River Basin (Neches River or Lake Columbia); and

WHEREAS, the Alternative Strategies are direct reuse, water from the Sulphur River Basin (Wright Patman and Marvin Nichols), Arkansas water from the Little River and Red River, Louisiana water from the Toledo Bend reservoir, Red River off channel reservoir, Oklahoma water from the Kiamichi River, Toledo Bend (Texas), and Lake Texoma desalination; and

WHEREAS, the Plan identified infrastructure improvements needed as a result of the anticipated plan implementation as well as growth, anticipated regulation changes and reliability, and water treatment plant modifications and expansions, distribution system enhancements, and raw water transmission modifications and enhancements; and

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WHEREAS, the Recommended Strategies and Alternative Strategies are required to be submitted to the Region C Water Planning Group for inclusion in the 2026 Region C Water Plan and the 2027 State Water Plan prior to January 2025.

Now Therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DALLAS:

SECTION 1. That the Recommended Strategies, Alternative Strategies, and the Infrastructure Recommendations identified in the City of Dallas 2024 Long Range Water Supply Plan are hereby adopted as shown on Exhibit A.

SECTION 2. That the City Manager be directed to submit Exhibit A for the City of Dallas to the Region C Water Planning Group.

SECTION 3. That this resolution shall take effect immediately from and after its passage in accordance with the provisions of the Charter of the City of Dallas, and is accordingly so resolved.