

RESOLUTION 2023-16R

**CITY OF FREDERICKSBURG RESOLUTION
SUPPORTING INNOVATIVE *ONE WATER* STRATEGIES AND DIRECTING STAFF TO
EXPLORE SUCH STRATEGIES IN PUBLIC AND PRIVATE DEVELOPMENT
PROJECTS**

WHEREAS, the City of Fredericksburg relies primarily on groundwater from the Ellenberger-San Saba aquifer for its water supply; and,

WHEREAS the Modeled Available Groundwater for the Ellenburger-San Saba aquifer is already 84% allocated; and

WHEREAS, the 2022 State Water Plan shows that municipal water demand in Gillespie County is expected to grow by 28% between 2020 and 2070; and

WHEREAS, without a renewed approach to water supply management, the city could face water shortages in the future; and

WHEREAS, the City of Fredericksburg has already demonstrated its commitment to water conservation and resilience through its capital investments in automatic meters, water main replacement, and aggressive leak detection and repair to curb water loss; and

WHEREAS, a commitment to water conservation is only one of the necessary steps to water security and resiliency in the future; and

WHEREAS, the City has a responsibility to ensure water supplies in the future can meet demand, and to employ innovative strategies to that end, when necessary; and

WHEREAS, there is a growing suite of water infrastructure and management strategies known as “One Water” that is proving its effectiveness in several Texas communities and across the country; and

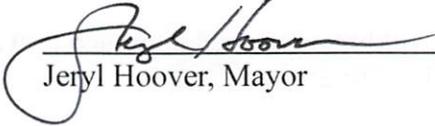
WHEREAS, “One Water” is defined as an integrated approach to water management that views all water in our community—drinking water, wastewater, stormwater, greywater—as a single resource to be managed holistically and sustainably, for the benefit of strong economies, vibrant communities, and healthy environments; and

WHEREAS, One Water strategies can include recycling wastewater to offset potable water demand, investing in green infrastructure to ensure stormwaters soak into the ground, capturing water at the building-scale through onsite rainwater harvesting systems or AC-condensate collection, and optimizing potable water supplies through efficiency and conservation; and

WHEREAS, there are a number of organizations and institutions in our region who are available to provide expertise on One Water strategies, including but not limited to the Hill Country Alliance, The Meadows Center for Water and the Environment at Texas State University, the National Wildlife Federation, the Greater Edwards Aquifer Alliance, and Texas Water Trade, as well as a growing professional community of engineers and planners versed in One Water design and implementation.

NOW, THEREFORE, by action of the City of Fredericksburg's City Council at a duly noticed and held public meeting and as reflected in the minutes of the Council, be it resolved that the city staff shall study opportunities to deploy One Water strategies in the city, with an assessment of the costs and benefits associated with doing so. These shall include considerations for public infrastructure and facilities, as well as private developments and buildings.

Adopted this 17th day of October, 2023.



Jeryl Hoover, Mayor

ATTEST



Shelley Goodwin, City Secretary, TRMC/CMC