

Drought Contingency Plan

City Council

May 28, 2019

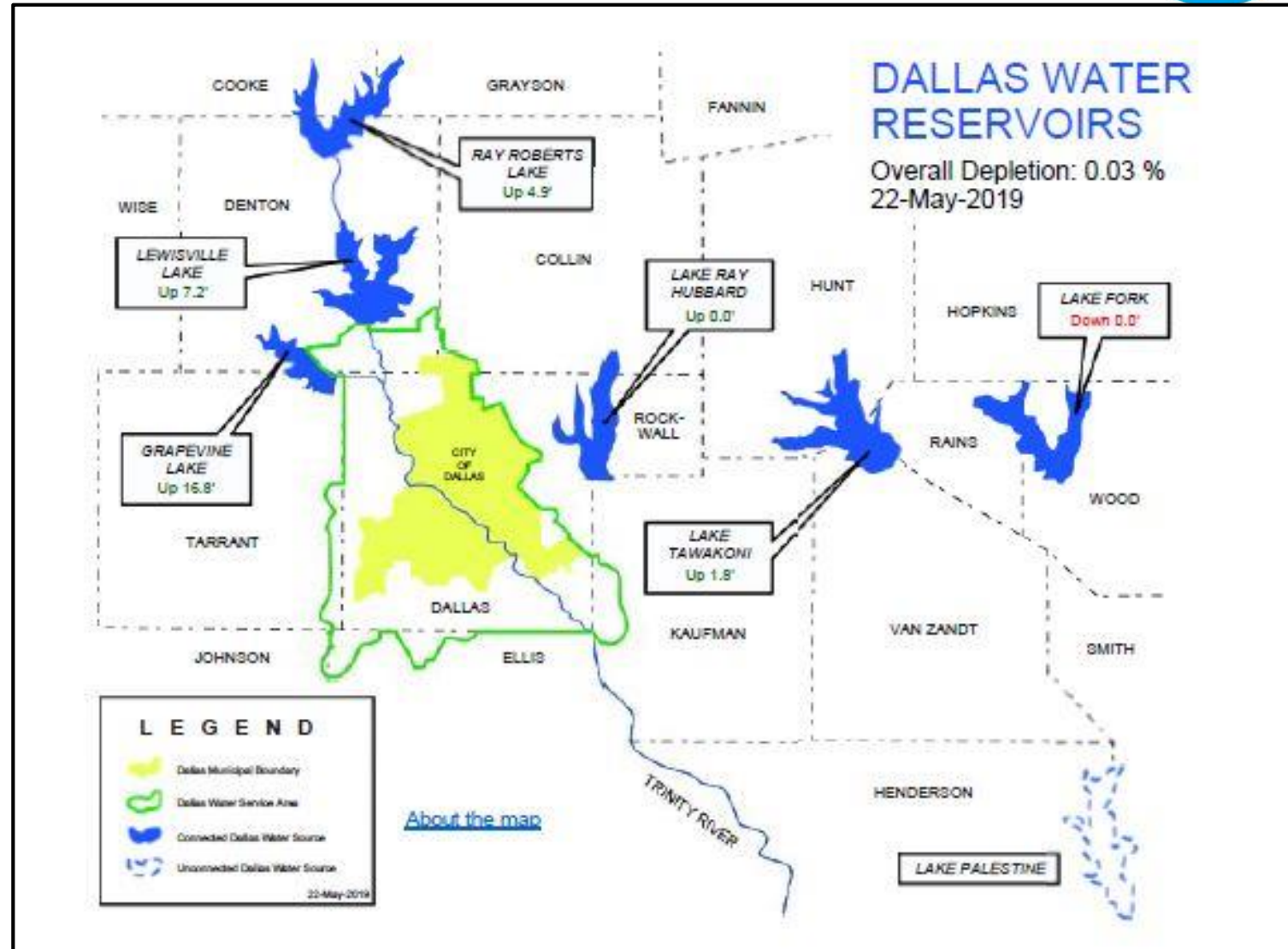
The logo for the City of Addison, featuring the word "ADDISON" in blue capital letters inside a white circle, which is set against a blue background with a white diagonal line.

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Dallas Water Supply

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- Dallas Water Utilities (DWU) receives treated water from 6 reservoirs
 - Grapevine
 - Lake Fork
 - Lewisville
 - Ray Hubbard
 - Ray Roberts
 - Tawakoni
- Addison purchases treated water from DWU
- Contract with DWU requires the Town to have a Drought Contingency Plan in accordance with the Texas Water Code



- Section 34-171 – Non-Essential Water Uses
- Appendix B of the Town's Water Conservation Plan
- Regulates Non-Essential Water Uses:
 - Irrigation of landscaping, including parks
 - Washing motor vehicles
 - Washing down sidewalks, driveways, and other hard-surface areas
 - Washing down buildings, windows, other structures, except for fire protection
 - Flushing gutters or allowing water to run into the street gutter
 - Filling or refilling swimming pools or jacuzzi-type pools
 - Water fountain or pond for aesthetic purposes, except to support aquatic life
 - Failure to repair controllable leaks within a reasonable timeframe
 - Use of fire hydrant for construction or any purpose other than fire fighting

Drought Contingency Stages – Triggering Criteria

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■ Stage 1

- 65% of total raw water supply as determined by the Dallas Water Utilities
- Demand exceeds 85% of deliverable capacity for 4 consecutive days
- Goal: 5% voluntary reduction in water use

■ Stage 2

- 55% of total raw water supply as determined by the Dallas Water Utilities
- Demand exceeds 90% of deliverable capacity for 3 consecutive days
- Goal: 15% mandatory reduction in water use (may include lawn watering restrictions)

■ Stage 3

- 45% of total raw water supply as determined by the Dallas Water Utilities
- Demand exceeds 95% of deliverable capacity for 2 consecutive days
- Goal: 20% mandatory reduction in water use.

Drought Contingency Stages – Triggering Criteria

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■ Stage 4

- Below 30% of total raw water supply as determined by the Dallas Water Utilities
- Demand exceeds 98% of deliverable capacity for 1 consecutive days
- Goal: 25% mandatory reduction in water use

■ Stage 5

- Emergency restrictions due to system outage, such as to one of Town's pump stations, microbiological contamination or interruption to water supply; may trigger a boil water notice
- Town must implement any measures required by Dallas Water Utilities
- Goal: Reduction in water use to prevent public health emergencies; city manager may set additional goals to reduce water usage further

Process to Initiate Drought Contingency Stages

A blue circular logo with the word "ADDISON" in white capital letters.

- Dallas Water Utilities notifies the Town that measures are necessary
- City Manager, or designee, orders the public notification process begin
- Public notification through:
 - Water bill insert
 - Addison website
 - Social Media (Facebook, Twitter, Next Door)
 - E-blasts
 - Town Newsletter
 - Door hangers and other handouts
 - Signage at Town Hall, Post Office, Athletic Club, other Town buildings open to the public
 - PEG Channel
 - In an emergency, Everbridge and/or direct call to the major consumers

Questions / Discussion

The logo for Addison-Wesley, featuring the word "ADDISON" in a bold, blue, sans-serif font. The text is centered within a white circle, which is itself set against a blue background. The blue background is part of a larger graphic on the right side of the slide, which includes diagonal white lines and a dark grey triangle in the top right corner.

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