

DISTRICT DAY OUT

Grand Lakes 1 Grand Lakes 4 MUD 2 MUD 4



Grand Lakes Development

Trendmaker Development in 1997 established the MUDs

- Grand Lakes MUD1
- Grand Lakes MUD 2
- Grand Lakes MUD 4

There is no Grand Lakes MUD 3





MUD Overview

Definition and Function

Municipal Utility Districts (MUDs) are governmental entities formed to provide essential services like water, waste management, and drainage in areas where municipalities may not service.

Homeowners Associations (HOAs) manage community standards and amenities.



MUD vs HOA: Understanding the Difference

MUD: Municipal Utility District



Created by local government

Provides water, sewer, drainage, and other public utilities

Funds collected through taxes

Residents elect board members

HOA: Homeowners Association

Created by developers or property owners

Maintains common areas, enforces rules and regulations

Funds collected through monthly or yearly dues



Residents elect board members or vote on decisions



Grand Lakes MUD 2 Grand Lakes MUD 4



Primary Function

Water





Waste Water

Drainage



AUD 1 Grand Lakes A Grand Lakes 4 MUD 4



Where does your water come from?

Surface Water

Surface water in Grand Lakes mainly comes from Lake Houston, via the North Fort Bend Water Authority (NFBWA), which ensures an adequate supply for community needs. This water is treated and utilized for various household requirements.

Groundwater Wells

Groundwater wells are also a vital source of water, specifically in areas with limited surface supplies. They supplement the community's overall water portfolio, especially during peak demands.

Grand Lakes 1 Grand Lakes 4 MUD 2 MUD 4



EyeOnWater App & Emergency Alerts



ANDROID APP ON Google play

- Accurate Measurement with Remote Reading
- Real-Time Monitoring and Leak Detection
- Billing Transparency
- Saving Water Saves Money



PAPE-DAWSON ENGINEERS

Serving Grand Lakes since the beginning!



FIRM PROFILE



- Founded in 1965
- More than 1,500 professional staff
- Top-ranked engineering and surveying firm
- We represent over ____ MUDs in the Houston Metro area
- Our Mission: To be the most respected engineering firm in our geographic and technical areas of practice.



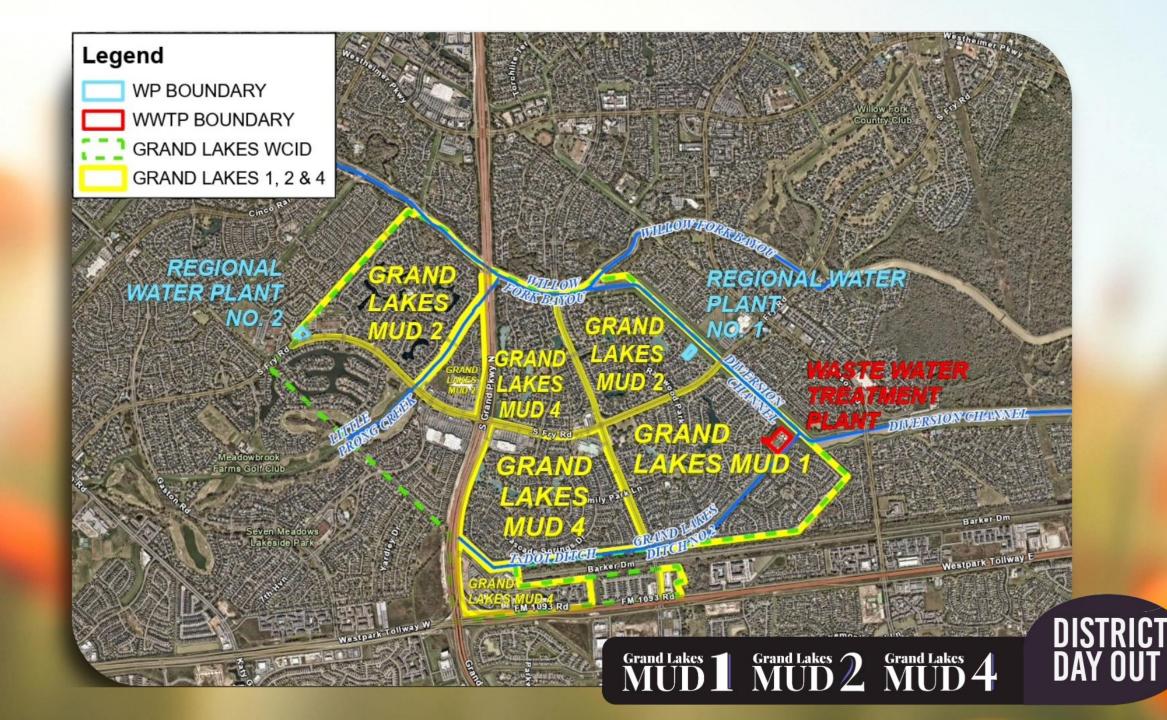


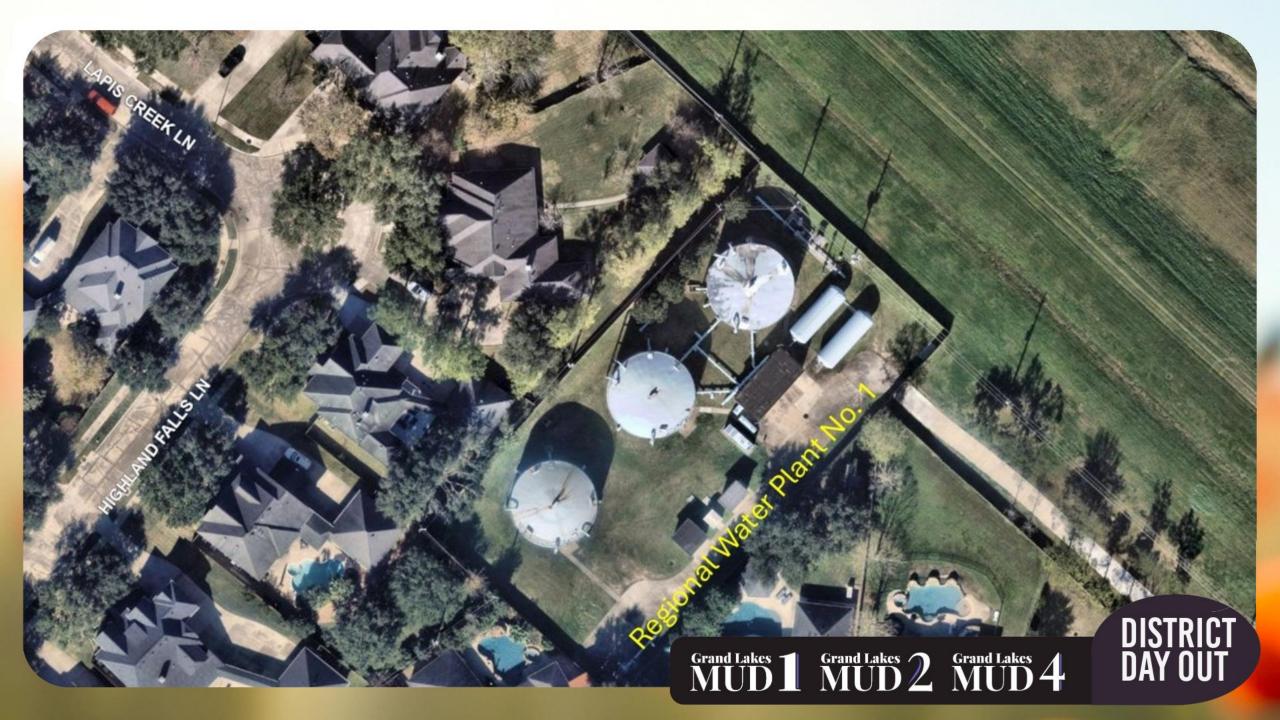


KEY STRENGTHS

- Extensive Local Levee Design Experience
- Staff Longevity
- Technology
- Responsive
- Trusted Owner's Representative

300+ LOCAL STAFF











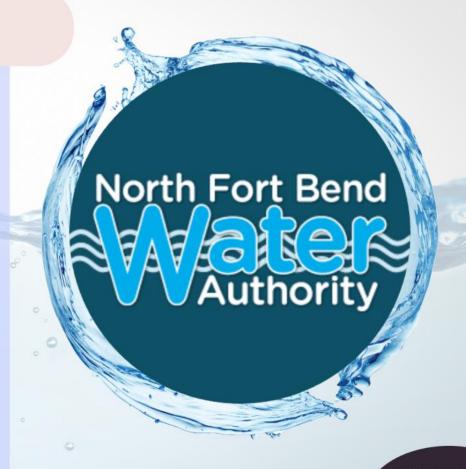
Partnership with the NFBWA

North Fort Bend Water Authority

The NFBWA built the District reuse plants and charges Grand Lakes for the reuse water used for community area irrigation and lakes. This many benefits of the reuse plant include:

- Environmental Conservation less fresh ground water used for irrigation and lake water
- Economic Advantages reuse water is less expensive than freshwater
- Agricultural Benefits
- Sustainability

NFBWA water comes from Lake Houston



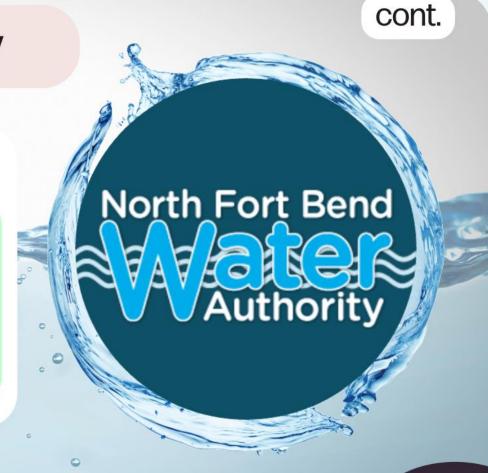


Partnership with the NFBWA

North Fort Bend Water Authority

Collaboration Benefits

The partnership with the North Fort Bend Water Authority (NFBWA) emphasizes sustainable practices by providing water reuse for irrigation and maintaining the lakes, enriching community resources.



Grand Lakes 1 Grand Lakes 4 Grand Lakes 4



Provide. Conserve. Educate.

www.nfbwa.com

Grand Lakes 1 Grand Lakes 4 MUD 2 MUD 4



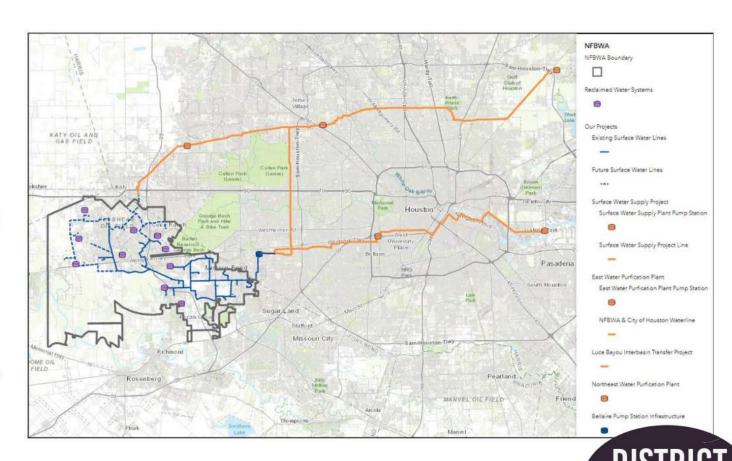
Groundwater to Surface Water Conversion

Current Projects

- Luce Bayou Interbasin Transfer Project
- Northeast Water Purification Plant
- Surface Water Supply Project
- Internal transmission lines to connect future water plants

Past Projects

- NFBWA's Bellaire Pump Station and transmission lines
- 50 miles of internal transmission lines





Alernative Water Supply Programs







Reuse Usage Summary - NFBWA Owned





Reuse Usage Summary - NFBWA Owned





MUD - Led Community Projects

Waste Collection





Sheriff and Constable Coverage

Street Lights Costs





Community Irrigation

Grand Lakes 1 Grand Lakes 4 MUD 2 MUD 4



MUD - Led Community Projects

cont.

Perimeter Brick Fence

Constructed in 2021, enhancing community aesthetics and security.

Lazy River Road Sidewalk

Renovated for improved recreational use, ensuring a vibrant community space

Peek Road Sidewalk

Provides safe pedestrian access across busy streets, increasing walkability.

Formal Park Rehab

Grand Lakes 1 Grand Lakes 4 MUD 2 MUD 4

