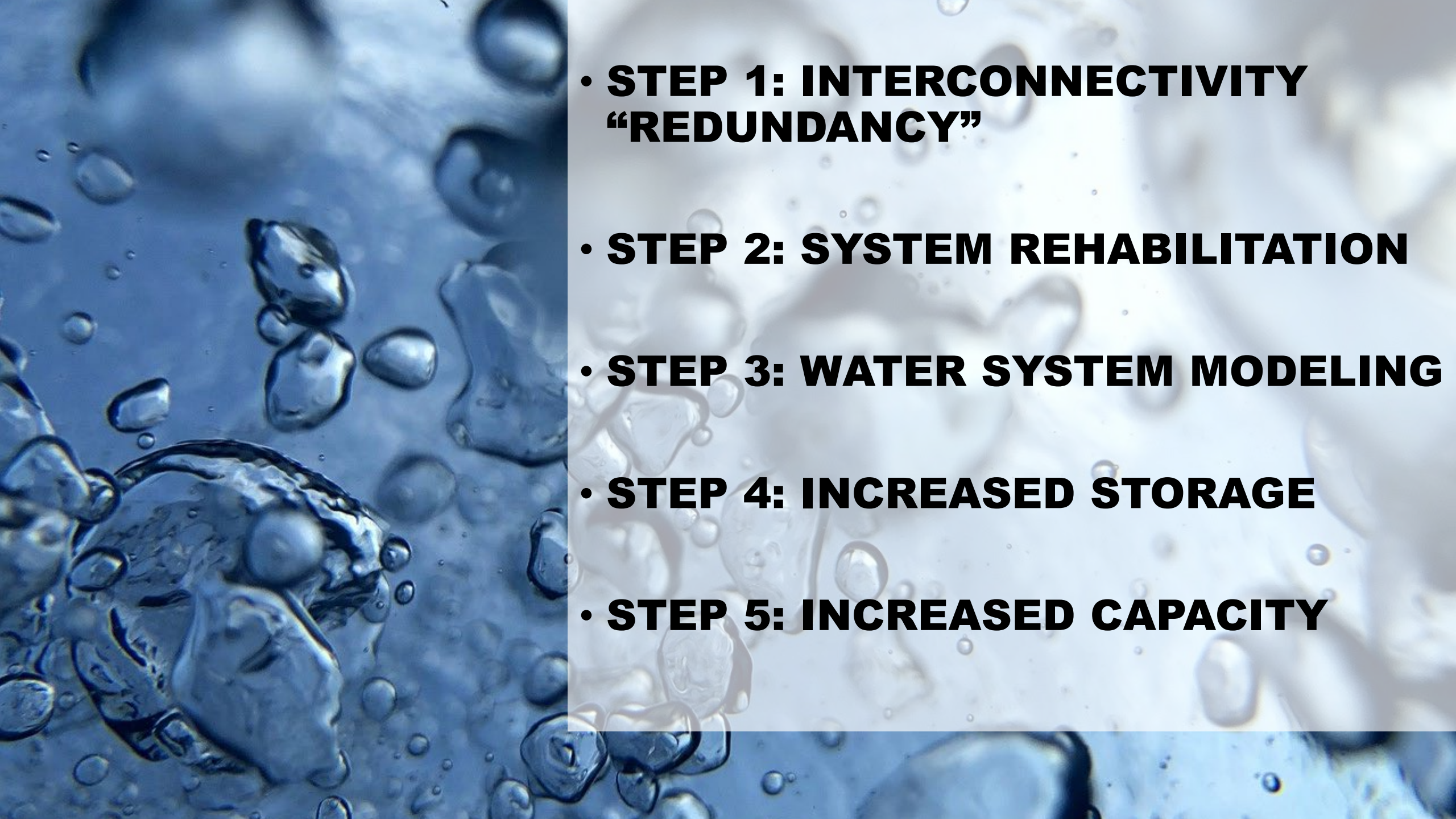


WATER SYSTEM IMPROVEMENT MASTER PLAN



**CITY OF
BROUSSARD**



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- **STEP 1: INTERCONNECTIVITY
“REDUNDANCY”**
 - **STEP 2: SYSTEM REHABILITATION**
 - **STEP 3: WATER SYSTEM MODELING**
 - **STEP 4: INCREASED STORAGE**
 - **STEP 5: INCREASED CAPACITY**

INTERCONNECTIVITY “REDUNDANCY”

EXAMPLES

- SYSTEM LOOPS
- CO-MINGLEING

Why? To enhance our ability to maintain consistent pressures and water quality during maintenance and/or construction operations. Improve our ability to serve the residents and businesses of Broussard a consistent water supply without any unplanned interruptions.

Complete/On-Going Project List:

- **(2020) St. Etienne Water Line Loop**
- **(2020) South Bernard Water Line Loop**
- **(2020) Albertson Pkwy Water Line Loop**
- **(2021) Ambassador Caffery Master Meter**
- **(2021) Waterline Ext./Loop Southwood and South Cruse**
- **(2023) Ambassador Caffery 12” Waterline Loop**
- **(2023) Heart D Farm Master Meter Upgrade 4” to 8”**
- **(2024) Albertson Pkwy Master Meter Upgrade 6” to 8”**



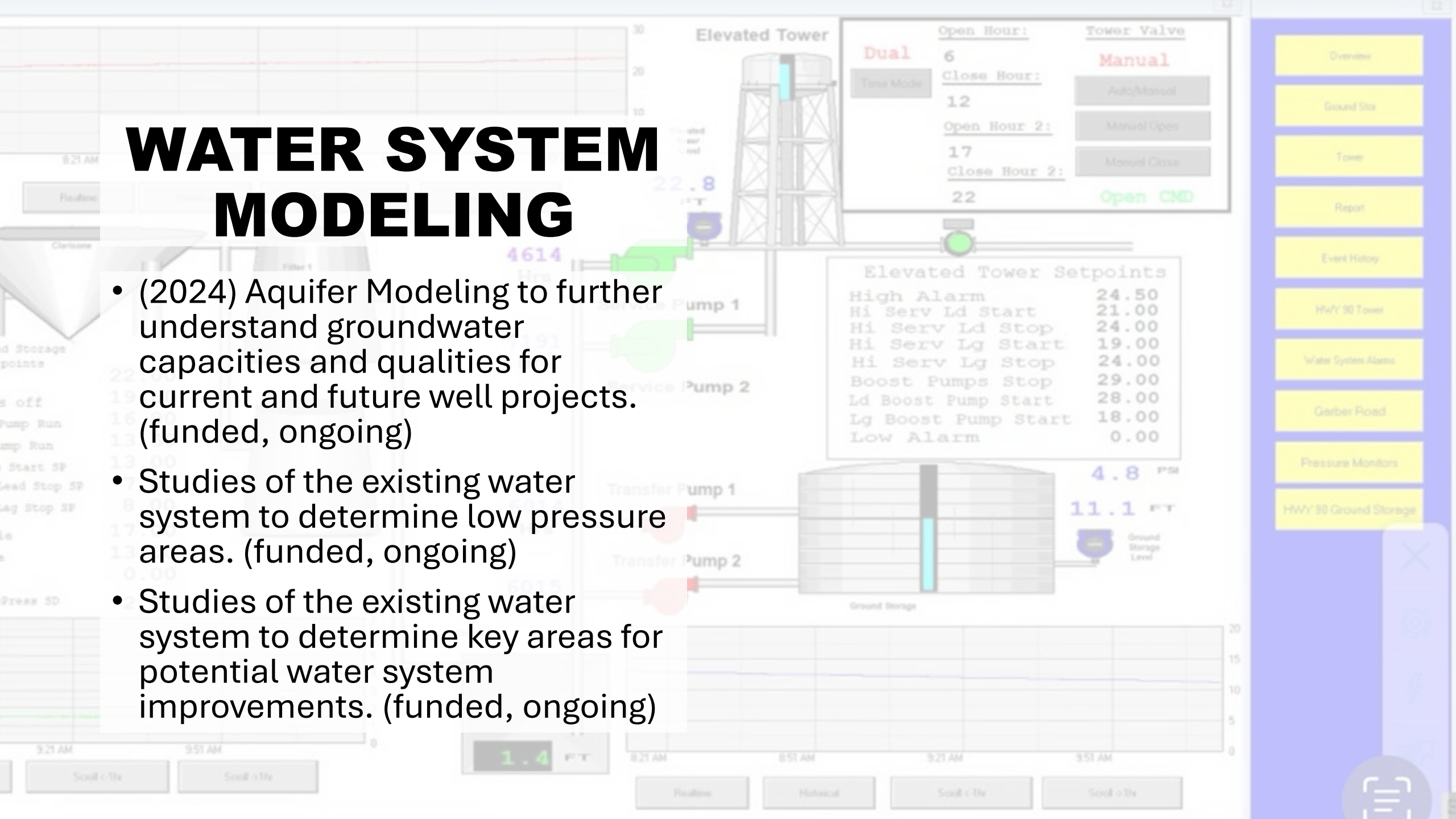
SYSTEM REHABILITATION

Over time paint coatings and metals deteriorate causing weaknesses in the existing water system. These weaknesses must be fixed to maintain consistent water quality and pressure.

- (2021) E. Madison Street Ground Storage (completed)
- (2024) HWY 90 Water Tower Rehab (funded, upcoming)
- (2024) Main Street Water Tower Rehab (funded, upcoming)
- (2024) Polk Street Well Rehab (funded, upcoming)
- (2024) Garber Rd Well Improvements
- (2024) Demolition of Abandoned Water Treatment Building (funded, upcoming)

WATER SYSTEM MODELING

- (2024) Aquifer Modeling to further understand groundwater capacities and qualities for current and future well projects. (funded, ongoing)
- Studies of the existing water system to determine low pressure areas. (funded, ongoing)
- Studies of the existing water system to determine key areas for potential water system improvements. (funded, ongoing)



INCREASED STORAGE

- Increasing the storage capacity of the water system equates to maintained water pressures and ability to supply residents and businesses with water for extended periods of power outages, system failures, or system maintenance.
- Existing Storage
 1. 300,000 Gallon Main Street Tower
 2. 300,000 Gallon HWY 90 Tower
 3. 200,000 Gallon Regal Drive Ground Storage
 4. 150,000 Gallon E. Madison Street Ground Storage
- Proposed Storage (currently under design and engineering)
 1. Potential 250,000-500,000 Gallon Ground Storage Along Albertson Pkwy
 2. Potential 250,000-500,000 Gallon Ground Storage Along Marteau Road
 3. Potential 250,000-500,000 Gallon Ground Storage Location Undetermined

INCREASED CAPACITY

- With the constant growth and expansion to the City of Broussard, increased capacity is of necessity. Increased capacity will help to create a more self-reliant city.
1. (2024) Water Wells along Lake Talon
 2. Proposed Water Wells and Water Treatment along Albertson Pkwy
 3. Proposed Water Wells and Water Treatment along Marteau Road

