

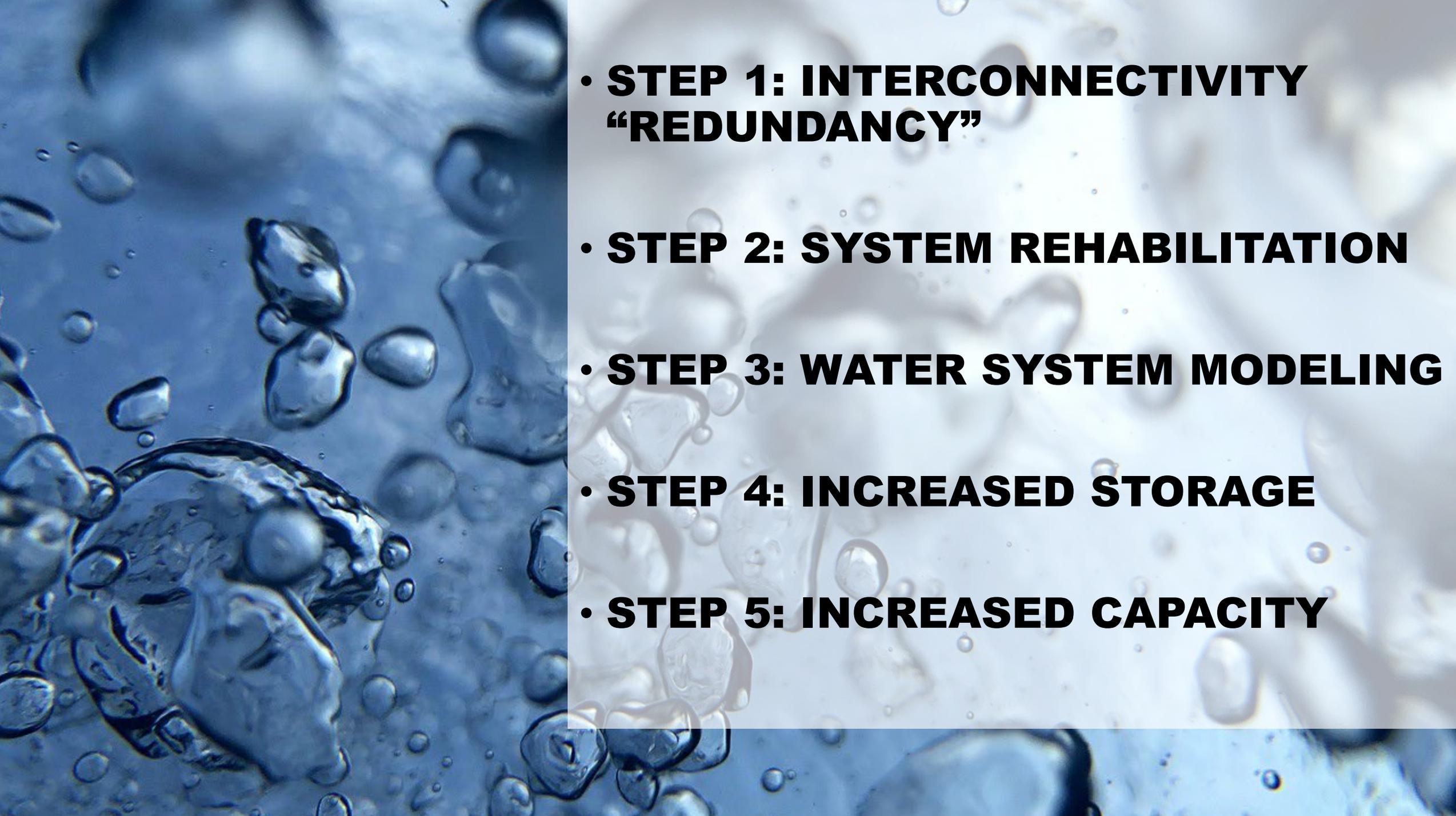
WATER SYSTEM IMPROVEMENT MASTER PLAN

UPDATE August 2025



**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

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. System loops also provide operational flexibility. For example, if we have a line break, we can isolate the break and “back feed.” System loops maintain consistent pressure at all times, not just during maintenance and construction. They also enhance our fire fighting ability due to increased system resilience.

COMPLETED PROJECTS

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

PROJECTS IN PROGRESS

- **Girouard Road Water Line Loop**



SYSTEM REHABILITATION

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

COMPLETED PROJECTS

- E. Madison Street Ground Storage
- HWY 90 Water Tower Rehab
- Main Street Water Tower Rehab
- Polk Street Well Rehab
- Demolition of Abandoned Water Treatment Building

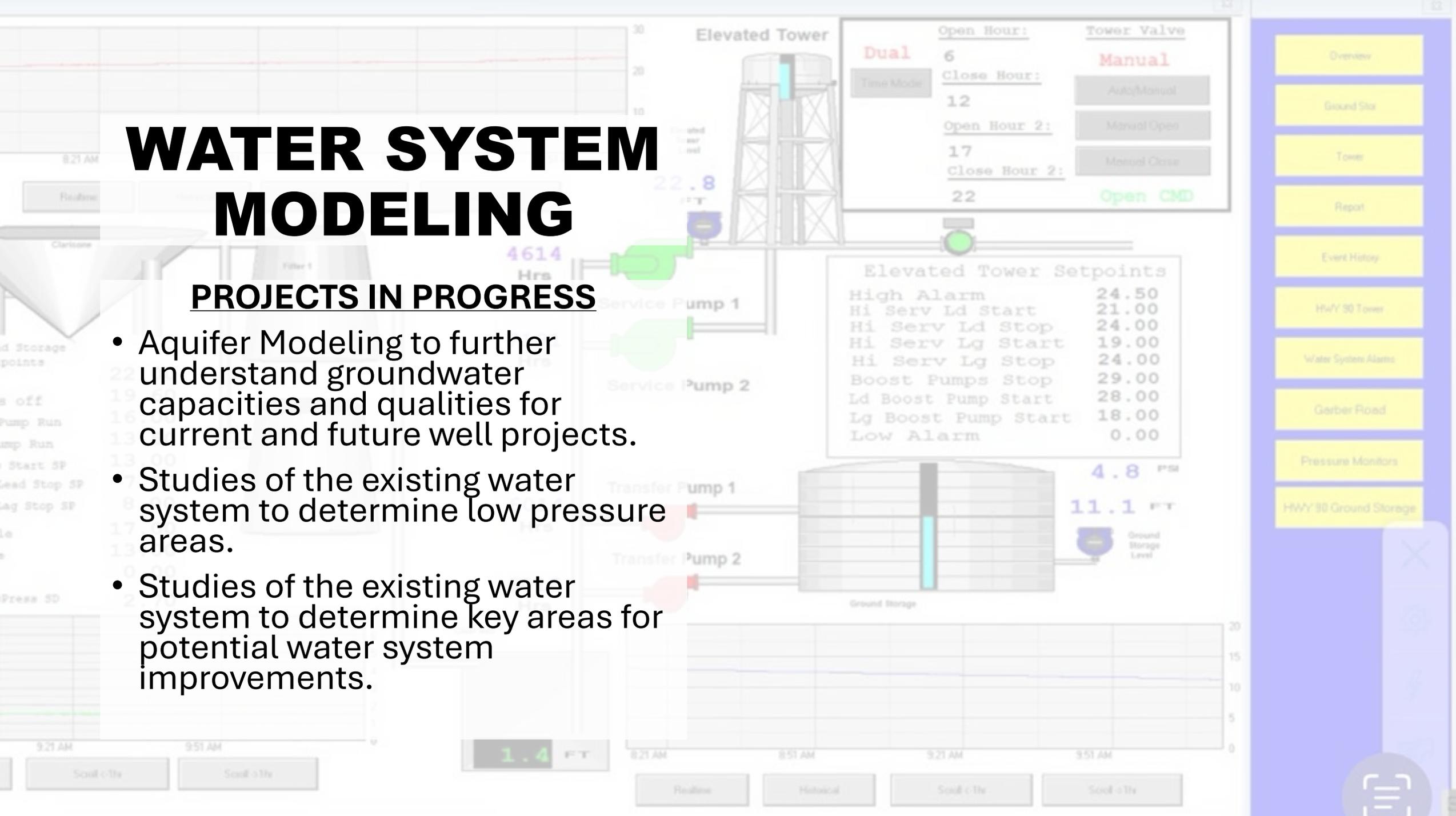
PROJECTS IN PROGRESS

- Garber Road Well Improvements

WATER SYSTEM MODELING

PROJECTS IN PROGRESS

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



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)

PROJECTS IN PROGRESS

- 250,000-500,000 Gallon Ground Storage Along Albertson Pkwy
- 250,000-500,000 Gallon Ground Storage Along Marteau Road
- 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.

COMPLETED PROJECTS

- Water Wells along Lake Talon

PROJECTS IN PROCESS

- Water Wells and Water Treatment along Albertson Pkwy
- Water Wells and Water Treatment along Marteau Road

