

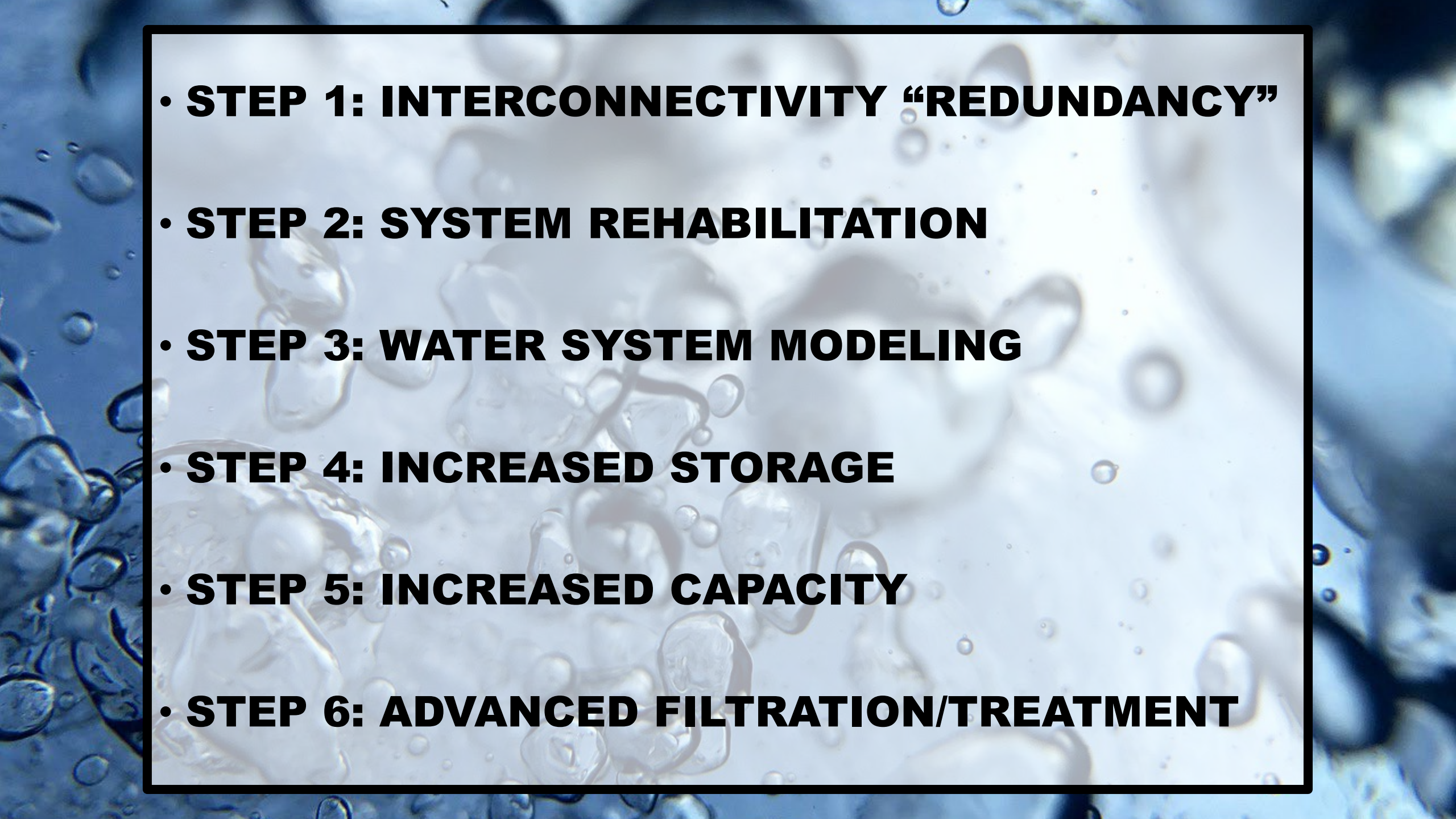
WATER SYSTEM IMPROVEMENT MASTER PLAN

UPDATE JULY 2026



**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**
 - **STEP 6: ADVANCED FILTRATION/TREATMENT**

INTERCONNECTIVITY “REDUNDANCY”

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

INTERCONNECTIVITY - “REDUNDANCY”

PROJECTS IN PROGRESS

- **12” Water Line Extension Along N. Girouard Road from Swaco Way to Jared Drive**
- **Back Up Generator/Water Booster Pump Station on Regal Drive**
- **Back Up Generator at Highway 90 Water Wells**
- **Ambassador Caffery Water Line Loop**
- **Sugarland Drive/Highway 90 Water Line Loop**
- **Water Line Extension from Freeman Road to Smede Highway**

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**

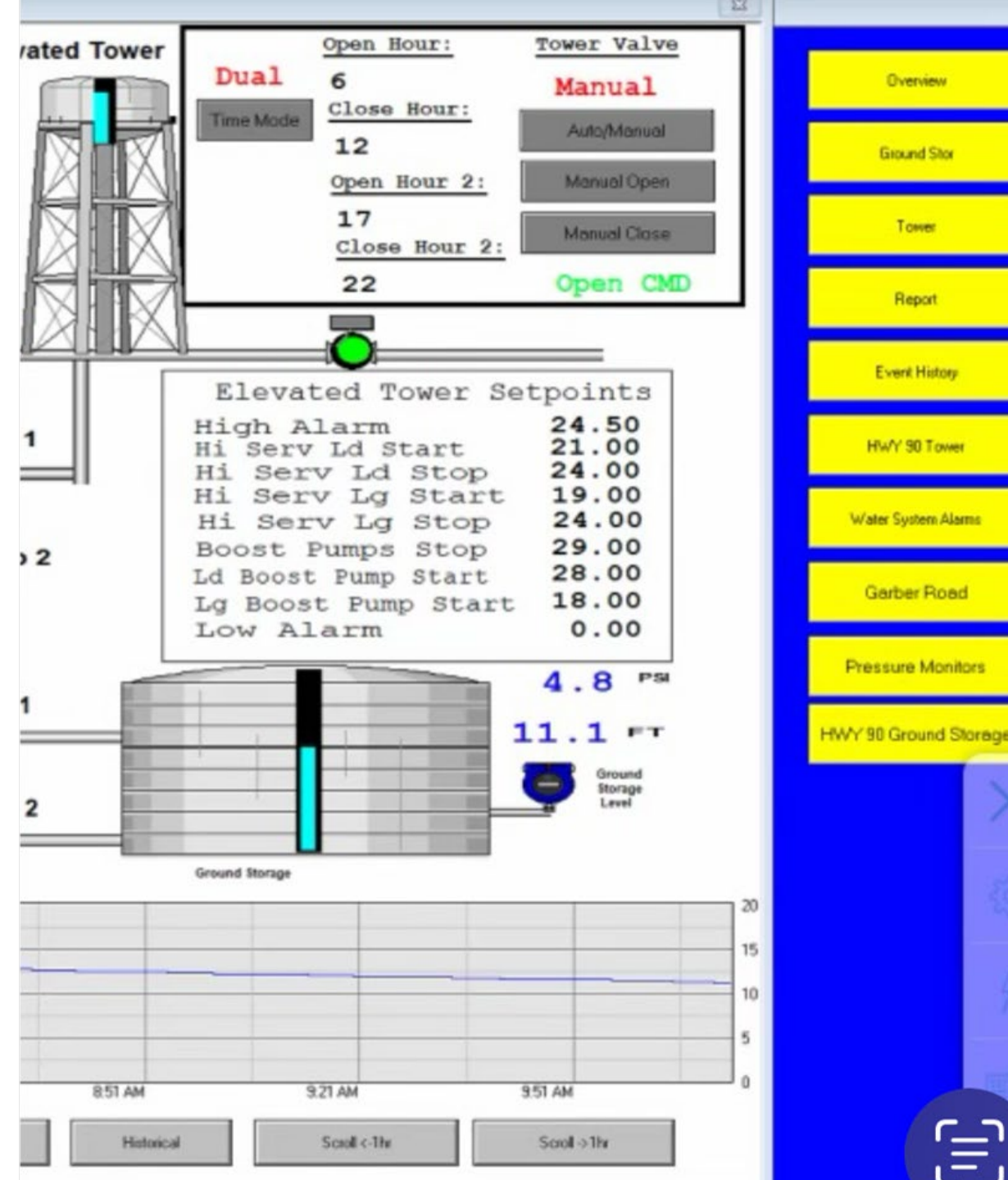
PROJECTS IN PROGRESS

- **Garber Road Well Improvements**
- **Polk Street Water Well Advanced Filtration/Treatment**

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 at Garber Road Well Site**
- 250,000–500,000 Gallon Ground Storage Along Albertson Pkwy**
- 250,000–500,000 Gallon Ground Storage – Marteau Water Well Project**
- 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 at Garber Road Well Site (*Planned in three phases. Phase 1 & 2 construction planned 2026. Phase 3 construction planned Q1 2027*)**
- **Water Wells and Water Treatment along Albertson Pkwy (*Funded and in design*)**
- **Water Wells and Water Treatment – Marteau Well Water Project**
- **All new and existing wells currently being engineered for advanced filtration/treatment**



ADVANCED FILTRATION/TREATMENT

- **Like many communities in Louisiana, the city's water system faces several ongoing challenges in maintaining older infrastructure and increasing demand. The city's commitment continues to be adding additional well sites, increasing water storage, and advanced filtration/treatment to provide an improved product for our residents.**

“We are doing independent, gold standard testing on our water supply for further analysis. We are currently exploring installing additional treatment measures such as advanced filtration and other options to enhance our water product. We're in the process of making a good system even better. Our residents deserve the best.”

- Mayor Ray Bourque