



System Operation Permit & Water Management Plan Amendment

***Presented by
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Water Resources Manager***

SysOps Permit & WMP Amendment

- **Water Use Permit 5851**
 - **Permit Issued by TCEQ – November 30, 2016**
 - **Permit Incontestable – August 14, 2018**
- **Authorized New Supply**
 - **334,345 acre-feet per year – 10/15/2004 Priority Date**
 - **Integration of run-of-river + return flows + coordinated reservoir operations**
 - **Diversions from pre-established points and System Reaches**

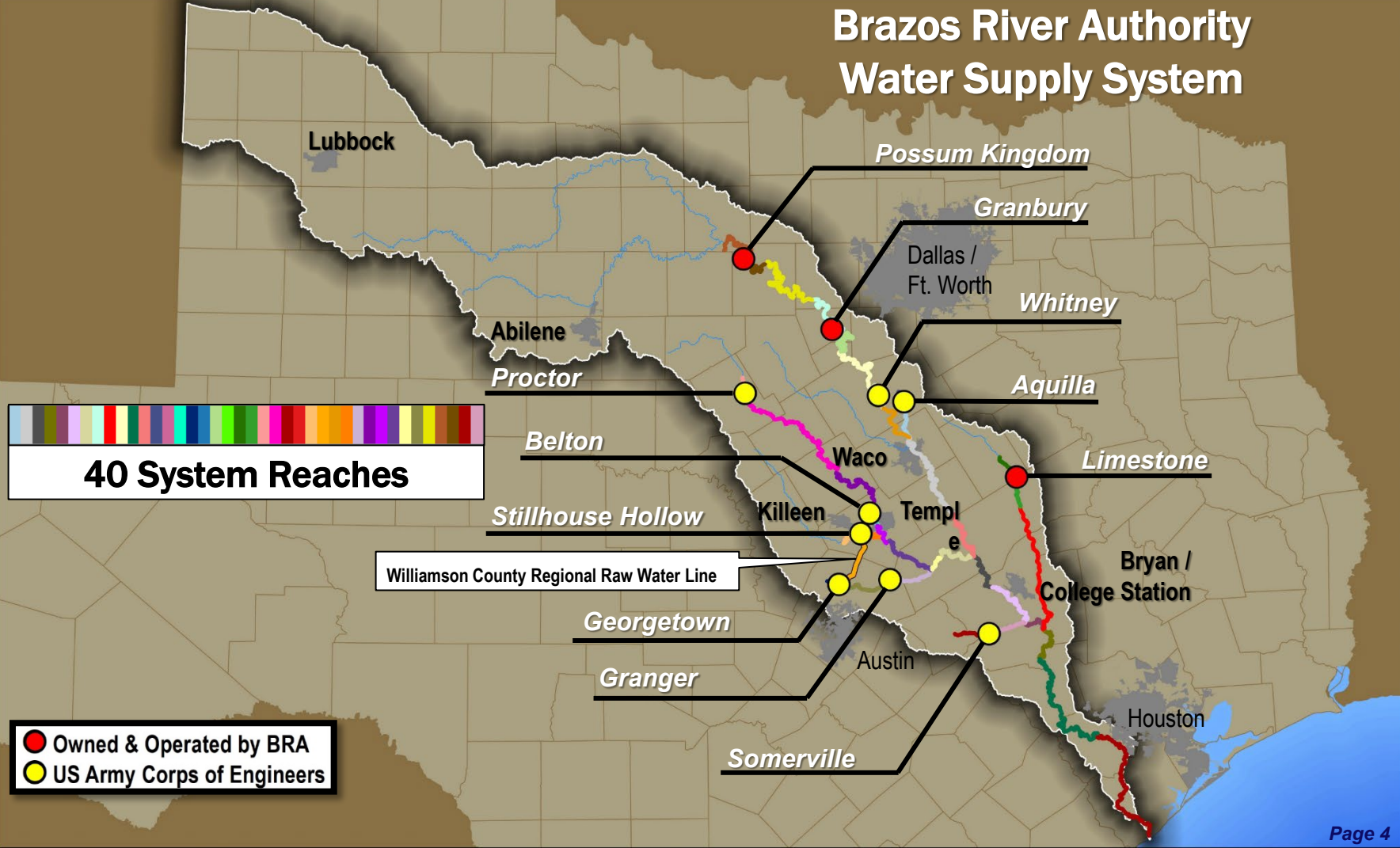
SysOps Permit & WMP Amendment

Supports 106,031 ac-ft per year of firm water

- **93,036 ac-ft of long-term contracts**
 - **Generates approx. \$8.6 million**
- **Contracts with 22 customers**
 - **Mining – 2**
 - **Agricultural – 6**
 - **Industrial – 3**
 - **Municipal – 10**
 - **Irrigation – 1**
- **Over 80% of volume contracted with Lower Basin customers**



Brazos River Authority Water Supply System



SysOps Permit & WMP Amendment

Special Conditions

- **5.D.1.**
 - **Maintain a Water Management Plan (WMP) that is incorporated into SysOps Permit**
- **5.D.2.**
 - **Major amendment of the WMP subject to contested case hearing procedures**
- **5.D.3.**
 - **WMP must be updated every 10 years (at a minimum)**
 - **Submission due to TCEQ by November 30th, 2026**

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Tasks for WMP Update

- **Task One: Review of Permit Documents and Provide Data.**
 - Identify Key Constraints and Opportunities
- **Task Two: Develop Hydrological Models and Demand Scenarios**
 - Updated operational modeling and water availability modeling tools
- **Task Three: TCEQ Submittals, Public Outreach and Negotiations**
 - Updates to Accounting Plan
 - Preparation of updated WMP and amendment application
- **Task Four: Plan for and Assist with Any Potential Contested Case Hearings.**
 - Post-submission support/modeling for potential protestant/third party issues

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Two Hydrologic Engineering Firms submitted responses to RFP

Both firms presented their proposals

Proposals were evaluated on:

- Firm's Experience in, and Familiarity with, Water Management – Planning, Permitting, Accounting, & Availability Modeling,
- Experience of Project Leaders/Team,
- Demonstrated success of projects of a similar scope by firm/team members,
- Clarity and Quality of Proposed Approach,
- Firm's demonstrated ability to meet budget, schedule, & deadlines.

→Freese and Nichols was ranked 1st and Carollo Engineers Inc. was ranked 2nd for the purposes of contract and Scope of services negotiations

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Project Budget

- **The costs required to maintain the SysOps Permit are integrated into the Annual BRA Operating Budget for Federal Reservoirs and projected through the long-term financial forecast.**
- **Special Condition 5.D.3 establishes a 10-year window with which to assess the budget for each update/amendment cycle.**

“WHEREAS on November 30th, 2016, the Texas Commission on Environmental Quality issued Water Use Permit 5851, the System Operation Permit, to the Brazos River Authority;

WHEREAS Special Condition 5. D. 1. of Water Use Permit 5851 directs the Brazos River Authority to maintain a Water Management Plan that is attached to, and incorporated into, the Permit;

WHEREAS Special Condition 5. D. 2. of Water Use Permit 5851 mandates that any major amendment of the Water Management Plan shall be pursuant to contested case hearing procedures;

WHEREAS Special Condition 5. D. 3. of Water Use Permit 5851 mandates the Brazos River Authority submit to the Executive Director of the Texas Commission on Environmental Quality an application for reconsideration or amendment of the Water Management Plan at a minimum of every 10 years;

WHEREAS the Brazos River Authority utilizes the appropriations authorized within Water Use Permit 5851 to make available 106,031 acre-feet for long-term, firm water contracts;

WHEREAS the process by which the Water Management Plan and Water Use Permit 5851 are amended will require significant hydrological modeling and engineering services;

WHEREAS the Brazos River Authority received proposals from two technical consultants, Freese & Nichols and Carollo Engineers Inc., to complete the necessary hydrological modeling and engineering services;

WHEREAS the Brazos River Authority's vendor evaluation committee evaluated the proposals and determined Freese and Nichols was ranked first, and Carollo Engineers Inc. was ranked second for the purposes of contract and scope of work negotiations;

WHEREAS, the Brazos River Authority is currently in the process of negotiating for such hydrological modeling and engineering services; and

WHEREAS, the Brazos River Authority staff, in an effort to expedite progress on the project, is seeking authorization for the General Manager/CEO to execute a contract for the services.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO to negotiate and execute a contract(s) for the hydrological and engineering services required in connection with updating Water Use Permit 5851 and the Water Management Plan, as determined necessary by the General Manager/CEO for an amount not to exceed the value set forth for this project in the Brazos River Authority's annual operating plans."



**Brazos
River
Authority**