

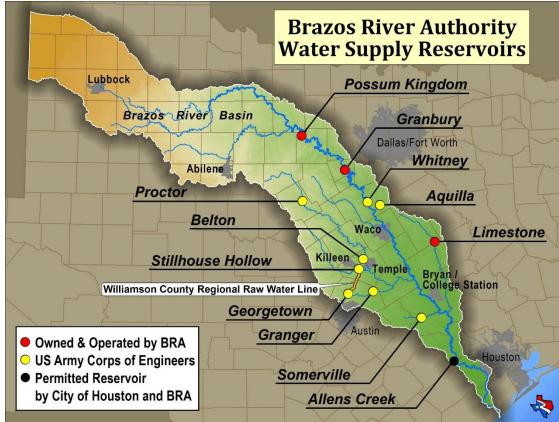
Presented by Jim Forte' Planning and Development Manager Brad Brunett Water Services Manager

Meeting Date: October 30, 2017



- Freese and Nichols Contract
 - Original Amount (August 2003) \$2,599,605
 - Significant Amendments -
 - SOAH Hearing 1 Preparation (June 2007) \$300,000
 - Support for Negotiations (December 2008) \$278,638
 - Water Management Plan (December 2011) \$415,046
 - SOAH Hearing 2 Preparation (December 2013) \$399,797
 - Drought Study (August 2015) \$486,000
 - Current Amount (October 2017) \$4,136,469
 - Conforming Changes (October 2017) \$30,000
 - Modeling and Analytical Tool (October 2017) \$350,000
 - Final Amount (October 2017) \$4,516,469







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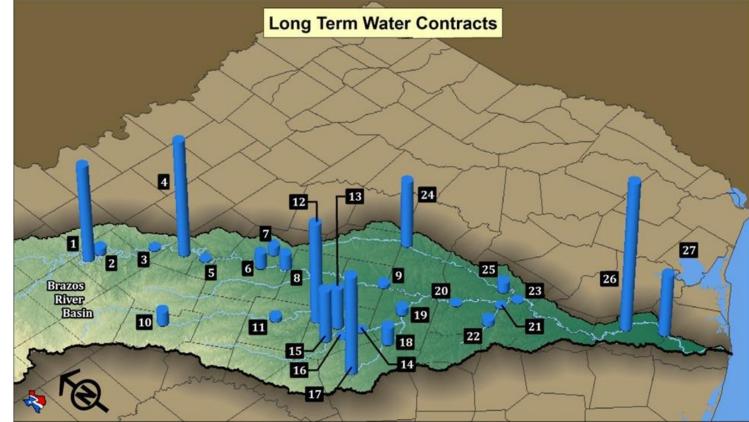
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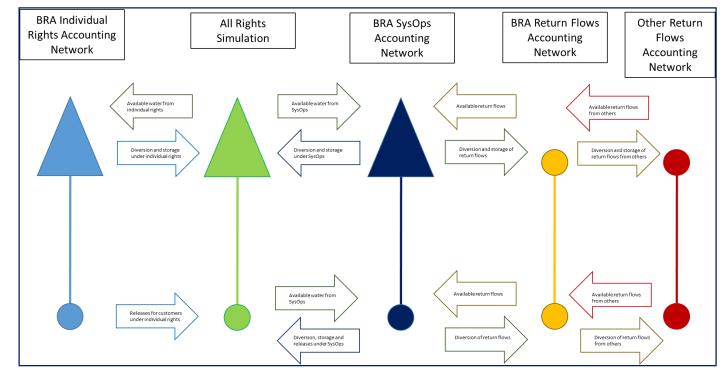
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Simplified Diagram of Real and Accounting Networks



Meeting Date: October 30, 2017



- Modeling and Analytical Tool
 - Determine Surpluses and Shortages in River Segments
 - Evaluate System Efficiency
 - Real World Operational Limits
 - Contractual/Permit/Physical
 - Incorporate PK/Granbury Balancing Protocol
 - Consider Effects of USACE Operations
 - Flood Pool Releases/Lake Whitney Hydropower Releases
 - Evaluate BRA Downstream Release Procedures
 - Simulate Operation of Williamson County Raw Water Line



The following resolution is presented for consideration to the Board of Directors of the Brazos River Authority for adoption at its October 30, 2017 meeting:

"BE IT RESOLVED that the Board of Directors of the Brazos **River Authority hereby authorizes the General Manager/CEO to** amend the existing contract with Freese and Nichols, Inc. to add an additional \$30,000 for work related to the filing of the Water Management Plan, Accounting Plan, and other related documents to bring those documents into conformance with System Operation Permit as approved the bv the **Commissioners of the Texas Commission on Environmental Quality**; and



BE IT FURTHER RESOLVED that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO to amend the existing contract with Freese and Nichols, Inc. to add an additional \$350,000 for the creation of a modeling tool to evaluate future long-term water contracting decisions from the Brazos River Authority Water Supply System with inclusion of the System Operation Permit."







Brazos Authority