System Operation Permit

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

Meeting Date: October 30, 2017
System Operation Permit

- 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
System Operation Permit

Brazos River Authority

Meeting Date: October 30, 2017
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Simplified Diagram of Real and Accounting Networks

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System Operation Permit

- 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
System Operation Permit

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 the System Operation Permit as approved by 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.”