NUECES BBASC STUDY #1

RE-EXAMINATION OF THE 2001 AGREED ORDER MONTHLY TARGETS AND SAFE YIELD VERSUS CURRENT DEMAND EVALUATIONS

NEAC – JUNE 16, 2014
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DISCUSSION

Background

Scope of Work

Schedule
BACKGROUND

- Nueces BBASC work plan
- Nueces BBEST
  - Seasonal shift in inflows
    - BBEST Report Sec. 4.1
    - Nueces Bay
    - Choke Canyon Reservoir / Lake Corpus Christi System
  - Nueces BBASC Report (Sec. 2.3)
    - Opportunities to better manage FWI... since the 1995 development of the Agreed Order
  - Corpus Christi Water Supply Model (CCWSM)
BACKGROUND FROM BBASC WORK PLAN
GOALS

- Determine if a “shift” has occurred in the inflows to the Bay and CCR/LCC System and what impact this “shift” may have on Safe Yield and FWI to the Bay.

- Compare the results from a Safe Yield Demand of 205,000 acft/yr to a current demand of 133,000 acft/yr on FWI to the Bay.
Task 1 – Compile, Analyze and Evaluate

- Compile Hydrologic Data
  - Long-term (1934 – 2014)
  - Short-term (1986 – 2014)
  - Recent (2004 – 2014)

- Analyze Data to Identify Seasonal Shift
  - Compared to 2001 Agreed Order
  - Monthly Inflow Targets

- Evaluate New Pattern
  - CCWSM Simulations
  - Same Volumes – Different Distribution
  - Results
    "Yields & FWI to Bay"

- TXBLEND
  - Coordinate with TWDB if requested
SOW

- Task 2 – Compare Safe Yield and Current Demand
  - Safe Yield
    - 205,000 acft/yr
  - Current Demand
    - 133,000 acft/yr
  - Compare
    - FWI to Bay / Reservoir Levels

- Task 3 – Meetings and Report
  - Kickoff Meeting (Today)
  - Up to 2 more meetings to present results
  - Draft and Final Report
SCHEDULE

- Waiting on Contract / NTP
- Anticipate 20 weeks to complete analysis
- Draft report after analysis
- Final report due August 2015