NUECES BBASC STUDY

RE-EXAMINATION OF THE 2001 AGREED ORDER MONTHLY TARGETS – PHASE 2

NEAC – MAY 1, 2017
CORY SHOCKLEY
DISCUSSION

01 SOW
02 Scenarios
03 New Drought of Record
04 Schedule
SOW

- Re-examine the 2001 Agreed Order Monthly Targets
- How sensitive are the FWI and System Yield to the Targets in the Agreed Order?
  - Identify Scenarios
    - Stakeholder input
    - Results from Phase 1
  - Perform Scenario Simulations
    - CCWSM
    - Compare System Yields & FWI
  - Report
    - Recommendations for a 10-year pilot project
Email Request – 13 April
  - 9 Responses
  - 10 Scenarios

Two Themes
  - Shifting of High Flow Target Months
  - More Uniform Distribution

Last Chance for “What-if” Requests

Next Step: Simulation of Scenarios
  - Focus on
    - Yield
    - FWI
CCWSM HYDROLOGY UPDATES

- Extend Period of Record Hydrology
  - 2004 – 2015
  - Naturalized Flows
  - Evaporation
  - Reservoir EAC’s
  - Ungaged Runoff below LCC

- New Drought of Record
  - Nueces Basin
  - Colorado River
  - Evaporation
    - 2011 highest net evap year
    - CCR = 5.16’, LCC = 4.66’, Tex = 4.16’
CCWSM – NEW DROUGHT

- Recent Drought = Critical Drought
- System has not refilled yet

- For Scenario Evaluations
  - Longer Period of Record
  - More Severe Critical Period
  - Yield and FWI Sensitivity
    - Agreed Order Monthly Targets
    - System Storage Triggers
SCHEDULE

- Scenario Evaluation – May
- Draft Report – June
- Final Report – July / August