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LITTLE ROCK DISTRICT STUDIES AFFECTING FEDERAL HYDROPOWER

Hydropower Conference June 2007

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Current Studies/Projects



- 303(d) Listing – Bull Shoals, Norfolk, Dardanelle – Districts Position
- White River Minimum Flows
- Arkansas River Navigation Project (12' Channel)
- Norfolk Stilling Basin Aeration
- Water Supply Storage Reallocations

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Impaired Waterbody Listing 303 (d)

Dardanelle, Bull Shoals, Norfolk District's Position

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Current Issue

- ADEQ has 303(d) listed:
 - the first 2.0 miles below Dardanelle
 - the first 3.0 miles below Bull Shoals
 - the first 4.2 miles below Norfolk
- Impairment is dissolved oxygen
- Source is hydropower

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Current Status

- Performing TMDL on Bull Shoals and Norfork. Expect Draft in July.
- Public Comment comment Period is expected to begin in Sept
- Final determination after first part of 2008

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District Position



- SWL Comments
- Work of the WRDO Committee
- TMDL process

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WHITE RIVER MINIMUM FLOWS STUDY

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WRDA 1999/WRDA 2000



Directed the Corps of Engineers to study Reallocating storage within each of the White River Lakes to be used to maintain minimum flows for the downstream trout fishery in the following amounts:

Beaver Lake	1.5 feet
Table Rock Lake	2 feet
Bull Shoals Lake	5 feet
Norfork Lake	3.5 feet
Greers Ferry Lake	3 feet

Beaver Lake, Table Rock Lake and Greers Ferry Lake were De-Authorized under Sect 132(C) of the 2006 Energy and Water Development Appropriation's Act

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Current Schedule



Current Schedule

Initial Funding	Spring 01
Alternative Formulation Briefing	20 NOV 03
Draft Report	AUG 04
NEPA Documentation	JAN 06
Anticipate ROD signing/NEPA Completion	June 08
PCA Signing	May 09

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Current Status

- Received Implementation Guidance from SWD
- Initiating Final Feasibility and Proceeding into PED
- SWPA is working to complete the Federal Hydropower Offset and Coordinating to obtain FERC Licensee Information (Empire Electric)

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Arkansas River Navigation Project

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Study Purpose/ Background



- Feasibility study began in March 2000.
- 100% federally funded.

Study is examining two opportunities:

- ✓ I - Improve navigation by improving the efficiency and effectiveness of evacuating high flows out of Oklahoma reservoirs.
- ✓ II – Improve navigation by deepening the channel on the entire system and widening the Verdigris River.

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Current Status

- Construction Funds provided in FY05 and Executed in FY06 and FY07
- All funds have been expended
- No additional funds are anticipated to be received

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Norfolk Stilling Basin Aeration

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Project Purpose

Implementation of the floating aeration plant will provide optimum dissolved oxygen during periods of non-hydropower generation below the Norfolk Dam

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Current Status

- The Design is Complete
- There are no funds for installation

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Water Supply Storage Reallocations

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Current Status

- **Carroll/Boone Water District** (Beaver Lake, 11,504 AF) – EA Being Prepared at SWL
- **Benton/Washington County Water Association** (Beaver Lake, 15,258 AF) – Under Review @ SWD/HQ
- **City of Mountain Home** (Norfork Lake, 3,158 AF) – Being Prepared at SWL
- **City of Clinton** (Greers Ferry Lake, 2.5 MGD) – New Request Being Prepared at SWL
- **City of Heber Springs** (Greers Ferry Lake, 3,538 AF) – Approved, Agreement Sent to City for Signature

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Current Status ***(cont'd)***

- **Greers Ferry, MAWA** (18,730 AF) – Being Prepared at SWL
- **Lake Ouachita, MAWA** (33,303 AF) – Being Prepared at SWL
- **Beaver Trout Hatchery** (21,972 AF) – Pending at HQUSACE
- **Baxter County Water Works Facilities Board** (Norfork Lake, 5.8MGD) Being prepared at SWL
- **Searcy County Regional Water District** – Greers Ferry Lake, (5,000 AF) – Being prepared at SWL
- **Ozark Mountain Water Alliance** (12 MGD) - Bull Shoals Lake – Being Prepared at SWL

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Questions?

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