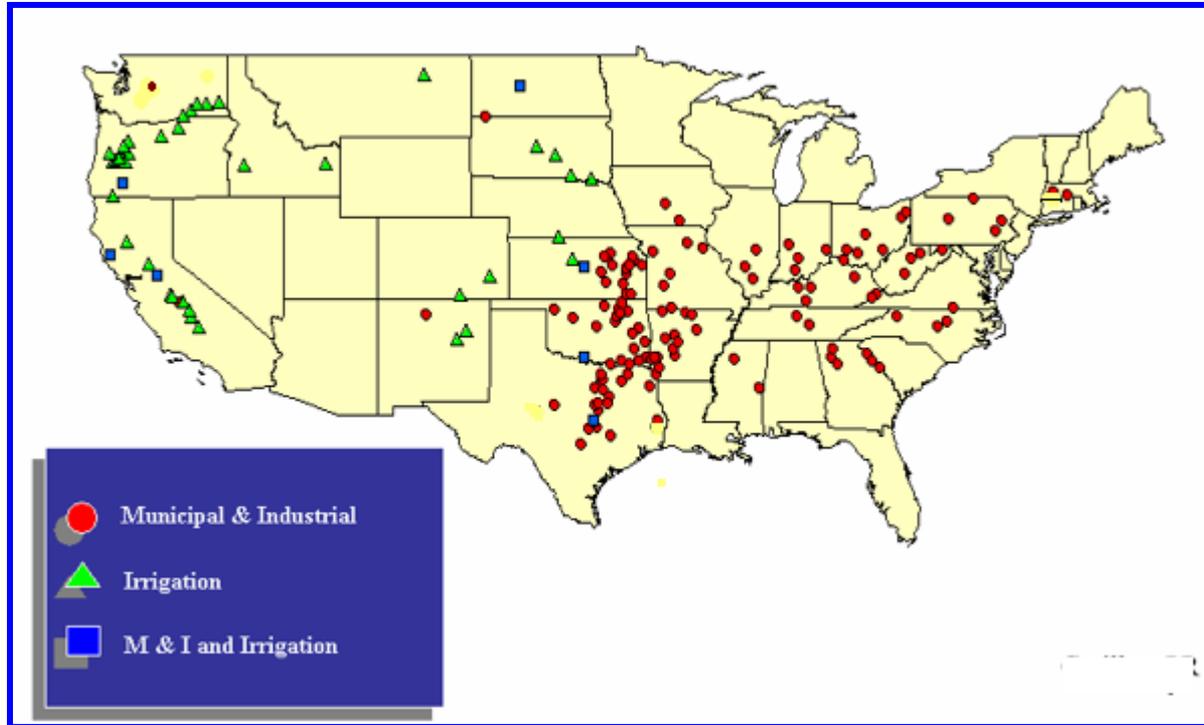




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National Portfolio Assessment for Water Supply Reallocations



- **Portfolio Results**
- **Plan of Study**

Presented by:
Ted Hillyer
Institute for Water Resources

Water Supply Workshop
Tulsa, Oklahoma
2-4 June 2009



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National Portfolio Assessment for Water Supply Reallocations

Funding History

- **FY 05: 5-year \$15,000,000 proposal**
 - Review operating plans at Corps major lakes and reservoirs to assure reservoirs contribute to enhanced economic and ecosystem values
 - Identify changes in operational policies requiring more in-depth studies
 - Support state and local planning efforts
 - **Not supported by OMB**
- **FY 06: IWR / OASA(CW) work to develop a more modest proposal**
- **FY 07: 2-year \$600,000 effort supported by OMB. Funding for the year under a continuing resolution; no new starts; not funded.**
- **FY 08: \$280,000 in the budget**
 - To initiate an appraisal of projects to identify the best candidates for opportunities for operational changes and/or reallocation.
 - **Supported by OMB but required the Corps Identify alternative funding for reallocation studies**
- **FY 09: \$270,000 to further investigate those projects where opportunities for changes are identified and continue alternative funding possibilities.**



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National Portfolio Assessment for Water Supply Reallocations

Plan of Study for Reallocations

- **Develop survey and submit to districts**
- **List those projects physically able to provide WS storage**
- **Determine demand by sponsor support**
 - **Immediate need**
 - **Potential at 5 and 10 years into the future**
- **Develop estimated project yields**
- **Factor in Dam Safety Criteria**
- **Refine potential list of reallocation possibilities by a rating system of high, medium and low**



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Portfolio Results

- **371 projects identified as applicable reservoir projects**
- **68 items of interest collected on each of the 371 projects**
 - Location (eroc, cwiss, lat., long.)
 - Watershed data
 - Authorized and operating purposes
 - Drainage areas and storage volumes
 - Dam Safety Act Classification
- **109 projects in the database as reallocation possibilities from both the survey and budget submittals**
 - 14 reallocations underway
 - 18 reallocations possible pending Federal funding
 - 11 reallocations possible in next 5-years
 - 50 reallocation possible in next 5-10 years
 - 44 in budget for various reallocation possibilities
- **52 of the 109 currently contain M&I water supply contracts**



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National Portfolio Assessment for Water Supply Reallocations

Comparison Example of Survey versus Budget

Dist	Project	Reallocation Need Identified in the Portfolio				In Budget	Comment	DSAC	WS Agree
		Under Way	Pending Funding	Next 5-years	Next 5-10 years				
LRL	Barren River			X		X	(1)	3	X
	Cave Run				X	X	(2)		X
	Green River Lake					X	(3)	2	X
	Rough River					X	(4)	2	X
	L&D #3					X	(5)		

Comments:

- (1) Two requests for a total of 18 mgd
- (2) Two requests for a total of 3 mgd
- (3) Two requests for a total of 7.5 mgd
- (4) Initiate/complete reallocation report
- (5) Initiate/complete reallocation report



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Plan of Study for Alternative Funding

- **Possible Alternative Funding Arrangements**
 - **Require 50/50 (or other formula) for Congressionally added reallocations**
 - **Require locals pay the cost of the study up front, or during the course of the study**
 - **Have locals offer to pay more than their 50% share**
 - **Base Federal budget justification on % of local contribution**
 - **Explore use of contributed funds**
- **Review current laws and policies**
- **Develop administrative and/or policy options**
- **Develop pros and cons**



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National Portfolio Assessment for Water Supply Reallocations

Review Team

- **HQUSACE**

- John Micik (CECW-PC)
- Aaron Hostyk (CECC-G)
- Susan Nee (CECC-G)

- **IWR**

- Steve Cone (CEIWR-GW)
- Rich Whittington (CEIWR-GR)
- Ted Hillyer (CECW-GI)

- **MSC**

- Terry Stratton (CESAD-PDS)
- Ronny Sadri (CELRD-PDS-P)
- Jim Fredericks (CENWD-PDD-B)
- Ron Bell (CESWD-RBT-W)

- **District**

- Janet Hotubbee (CESWT-PE-P)



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National Portfolio Assessment for Water Supply Reallocations

Next Steps

- **Team meet on 4 June following the Water Supply Workshop**
 - to develop recommended list of reallocations for the portfolio
 - discuss pros and cons of alternative funding for reallocations
- **Draft paper sent to team for review (30 June)**
- **Final paper to HQUSACE (31 July) for review and approval**
- **Present to OMB during FY 11 budget hearings in Aug-Sept time frame**



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Funding Surprise

- **Original proposal was for a \$600,000 study for FYs 08 - 09**
- **FY 10 budget includes an additional \$571,000**
 - **\$300,000 to continue the Portfolio Assessment**
 - **\$271,000 for a Sustainable Rivers Increment**



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National Portfolio Assessment for Water Supply Reallocations

FY 2010 Portfolio Continuation

- **\$300,000 to continue to evaluate the data collected to include:**
 - **Development of an accurate measure of the quantity of water available to meet existing and projected M&I water demands**
 - **An assessment of potential structural modifications of Corps projects and alternative water management schemes to achieve the national goals**
 - **Tie into 2007 report by the Subcommittee on Water Availability and Quality of the National Science and Technology Council Committee on Environmental and Natural Resources. The committee was charged with:**
 - **Identifying science and technology needs to address growing issues related to fresh water supplies**
 - **Developing a coordinated, multi-year plan to improve research to understand the process that control water availability and quality**
 - **Enhancing the collection and availability of the data needed to ensure an adequate water supply.**



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FY 2010 Sustainable Rivers Increment (300K Study)

SRP Site	Define E-Flows	Modeling	Monitoring	Implementation & Adaptive Mgt.
Bill Williams			25	10
Connecticut	50			
Cypress-Caddo		70	25	10
Green			25	
Roanoke				
Savannah			45	10
White				
Willamette				
National Support		30		
Total	50	100	120	30

Questions ?

