

Yellowstone Compact		Agency/Program #: 5706-24-I1
		Division: Water
		Program:
Agency Name:	Department of Natural Resources and Conservation	
Agency Contact:	John Tubbs	444-6605
LFC Contact:	Representative Ripley, Representative Erickson	
LFD Liaison:	Barbara Smith	444-5347
OBPP Liaison:	Eileen Rose	444-1338

Program or Project Description:

Appropriation, Expenditure and Source					Approp & Expenditure numbers are as of October 31, 2007
Fund Name:	2008		2009		
	Approp.	Expended	Approp.	Expended	
General Fund					
State Special					
Federal Funds					
Total:	\$0	\$0	\$0	\$0	

Goal(s):

To coordinate technical work on behalf of the State of Montana associated with litigation in front of the U.S. Supreme Court on the interpretation and administration of the Yellowstone Compact.

Performance Measures :

1. Hire a surface water hydrologist.
2. Provide needed technical assistance to the Attorney General and staff.
3. Develop the technical data on historical irrigation and depletions in Montana and Wyoming as of 1950 and compare with today's level of irrigation and consumptive uses in both states.
4. Develop appropriate monitoring systems for Montana/Wyoming watersheds.
5. Develop hydrologic water accounting models for both the Powder and Tongue River systems dealing with water supplies and historical and contemporary uses.
6. Complete needed field work to calibrate the hydrologic models.
7. Share information with Wyoming to develop common and agreed upon data base.
8. Begin helping basin water users improve basin-wide water management and the reduction of water shortages.

	Completion Dates	
	Target	Actual
2009 Biennium Significant Milestones:		
1		
2		
3		
4		
5		

Performance Report:

see attached report provided by OBPP

LFD Narrative:**EXECUTIVE CHANGES:**

- Changes to goals/initiatives: Yes, broad based goal provided.
- Change to performance measures: No.

LFD ASSESSMENT:

- Goal is measureable within the biennium: No. The goal is a broad based statement and the performance measures lack viable targets.
- Progress towards Goal: **Warning**. The narrative provides a detail of the activities that have occurred, but it does not specifically tie the information back to the performance measures

APPROPRIATION ISSUES:

- Appropriation/Expenditures provided: No
- Other appropriation issues: No

OPTIONS:

The legislature may wish to request the performance measures be improved by adding timelines/targets.



Version	Date	Author
5706-24-11-CW-1	12/6/07	Smith

Change Description
Added LFD Narrative, inserted goal



GOVERNOR'S OFFICE OF
BUDGET AND PROGRAM PLANNING

Goals/Objectives

Agency Contact: John Tubbs | **Phone Number:** 444-6605 |
Agency Name: Dept. of Natural Resources & Conservation |
Division: Water Resources |
Program (identify and briefly describe): The Water Resources Division is responsible for promoting and coordinating the beneficial use, conservation, protection and development of Montana's water resources. The Water Resources Division carries out its duties for the purpose of promoting the general welfare and economic and social prosperity of the people of Montana. Sound coordination of the development and utilization of the state's waters allows the Water Resources Division to protect existing uses and to promote adequate future supplies for domestic, industrial, agricultural, recreation, the conservation of water for wildlife, aquatic life and other beneficial uses. |

List a single goal and brief description:

To coordinate technical work on behalf of the State of Montana associated with litigation in front of the U.S. Supreme Court on the interpretation and administration of the Yellowstone Compact. |

Describe the performance measures related to this goal:

- Hire a surface water hydrologist.
- Provide needed technical assistance to the Attorney General and staff.
- Develop the technical data on historical irrigation and depletions in Montana and Wyoming as of 1950 and compare with today's level of irrigation and consumptive uses in both states.
- Develop appropriate monitoring systems for Montana/Wyoming watersheds.
- Develop hydrologic water accounting models for both the Powder and Tongue River systems dealing with water supplies and historical and contemporary uses.
- Complete needed field work to calibrate the hydrologic models.
- Share information with Wyoming to develop common and agreed upon data base.
- Begin helping basin water users improve basin-wide water management and the reduction of water shortages. |

List significant milestones and target dates to be completed in the 2009 Biennium:

- Hire a surface water hydrologist: a. develop job and position description; b. advertise position, interview and select; and c. hire position.
- Provide needed technical assistance to the Attorney General and staff: a. provide ongoing monitoring of Wyoming water use; b. provide ongoing review of technical hydrology and water-quality reports; and c. provide weekly consultation with asst. attorney's general.
- Develop the technical data on historical irrigation and depletions in Montana and Wyoming as of 1950 and compare with today's level of irrigation and consumptive uses in both states: a. review and compile existing information in both states; b. develop GIS coverage and database for both states; c. Develop method for estimating consumptive use; and d. explore use of METRIC model

for historic and contemporary use of consumptive uses.

- Develop appropriate monitoring systems for Montana/Wyoming watersheds: a. inventory major flow diversions in Montana and Wyoming; b. develop GIS database of major diversions; c. test use of remote sensing (e.g. Landsat) to monitor area of irrigated acreage; and d. develop strategy and implement (if possible) use of METRIC ET model to monitor consumptive depletions.
- Develop hydrologic water accounting models for both the Powder and Tongue River systems dealing with water supplies and historical and contemporary uses (work done in co-operation with AG's consultants): a. Participate in model selection; b. Provide data for use in model; and c. Develop model (test, review simulations).
- Complete needed field work to calibrate the hydrologic models. (see above)
- Share information with Wyoming to develop common and agreed upon data base. (Objective nullified by mutual agreement with Wyoming due to ongoing litigation between states)
- Begin helping basin water users improve basin-wide water management and the reduction of water shortages: a. conduct meeting(s) with water users in Tongue and Powder River basins; b. work with water-users in Powder River basin to encourage use of water commissioners; c. Conduct water-commissioner training in Miles City; and d. Monitor snow-survey and runoff forecasts to advise water users on seasonal water availability |

Describe the current status of the measurements related to the goal:

Objective (performance measure) 1. is completed.

Objective 2. is in progress.

Objective 3. is ongoing.

Objective 4. initial scoping and review of methods has started.

Objectives 5 through 8 will be initiated in the future. |