

Appendix A

Basin Roundtable Portfolio and Trade-off Results

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Table 1 – Summary of Arkansas Basin Roundtable Portfolio Analysis

Portfolio Element	ARK 1	ARK 2	ARK 3	ARK 4	ARK 5
Demand INPUT	Low (620,000 AFY)	Low (620,000 AFY)	Medium (790,000 AFY)	High (1,060,000 AFY)	High (1,060,000 AFY)
Oil Shale INPUT	Yes	No	Yes	Yes	Yes
IPPs INPUT	86% Arkansas IPP yield success.	86% Arkansas IPP yield success.	86% Arkansas IPP yield success.	86% Arkansas IPP yield success.	86% Arkansas IPP yield success.
Active Conservation INPUT	Low Strategy (160,000 AFY). 0% applied to gap. Yield to gap = 0 AFY.	Low Strategy (160,000 AFY). 0% applied to gap. Yield to gap = 0 AFY.	Medium Strategy (330,000 AFY). 25% applied to gap. Yield to gap = 83,000 AFY.	Low Strategy (160,000 AFY). 0% applied to gap. Yield to gap = 0 AFY.	Medium Strategy (330,000 AFY). 50% applied to gap. Yield to gap = 167,000 AFY.
Reuse INPUT	Reuse ratio = 1.5	Reuse ratio = 1.5	Reuse ratio = 1.5	Reuse ratio = 1.5	Reuse ratio = 1.5
New Colo. River Supply INPUT	25,000 AFY to West Slope. 0 AFY to East Slope.	0 AFY to West Slope. 250,000 AFY to East Slope.	150,000 AFY to West Slope. 50,000 AFY to East Slope.	25,000 AFY to West Slope. 0 AFY to East Slope.	200,000 AFY to West Slope. 150,000 AFY to East Slope.
New Colo. River Supply RESULTS	25,000 AFY to West Slope. 0 AFY to East Slope.	0 AFY to West Slope. 175,000 AFY to East Slope.	121,000 AFY to West Slope. 50,000 AFY to East Slope.	25,000 AFY to West Slope. 0 AFY to East Slope.	196,000 AFY to West Slope. 150,000 AFY to East Slope.
New Agricultural Transfer Supply RESULTS	27,000 AFY to West Slope. 140,000 AFY to East Slope.	52,000 AFY to West Slope. 0 AFY to East Slope.	0 AFY to West Slope. 78,000 AFY to East Slope.	197,000 AFY to West Slope. 237,000 AFY to East Slope.	0 AFY to West Slope. 0 AFY to East Slope.
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 5% (26,000 acres). South Platte = 30% (248,000 acres). West Slope = 10% (112,000 acres). North Platte/Rio Grande = 10% (84,000 acres).	Arkansas = 0% (0 acres). South Platte = 15% (136,000 acres). West Slope = 15% (138,000 acres). North Platte/Rio Grande = 10% (84,000 acres).	Arkansas = 5% (21,000 acres). South Platte = 25% (214,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (83,000 acres).	Arkansas = 10% (47,000 acres). South Platte = 40% (325,000 acres). West Slope = 35% (319,000 acres). North Platte/Rio Grande = 10% (87,000 acres).	Arkansas = 5% (12,000 acres). South Platte = 20% (182,000 acres). West Slope = 10% (113,000 acres). North Platte/Rio Grande = 10% (84,000 acres).
Other Portfolio Trade-off RESULTS	20% of Arkansas and 90% of South Platte irrigated acres needed for following program. DECREASE in South Platte River flows 8% at state line.	5% of Arkansas and 35% of South Platte irrigated acres needed for following program. INCREASE in South Platte River flows 11% at state line.	15% of Arkansas and 70% of South Platte irrigated acres needed for following program. DECREASE in South Platte River flows 10% at state line.	40% of Arkansas and 120% of South Platte irrigated acres needed for following program. DECREASE in South Platte River flows 10% at state line.	10% of Arkansas and 55% of South Platte irrigated acres needed for following program. DECREASE in South Platte River flows 4% at state line.
Nonconsumptive RESULTS	No transbasin diversion. Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 250,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 250,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 50,000 AFY could be developed in the Blue River, Gunnison River, Yampa River, and Green River.	No transbasin diversion. Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 150,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 150,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.

Table 2 – Summary of Colorado Basin Roundtable Portfolio Analysis

Portfolio Element	CO 1	CO 2	CO 3	CO 4
Demand INPUT	Medium (790,000 AFY)	Medium (790,000 AFY)	High (1,060,000 AFY)	High (1,060,000 AFY)
Oil Shale INPUT	Yes	Yes	Yes	Yes
IPPs INPUT	91% Colorado IPP yield success.	91% Colorado IPP yield success.	92% Colorado IPP yield success.	92% Colorado IPP yield success.
Active Conservation INPUT	High Strategy (460,000 AFY). 60% applied to gap. Yield to gap = 278,000 AFY.	High Strategy (460,000 AFY). 60% applied to gap. Yield to gap = 278,000 AFY.	High Strategy (460,000 AFY). 60% applied to gap. Yield to gap = 278,000 AFY.	High Strategy (460,000 AFY). 100% applied to gap. Yield to gap = 463,000 AFY.
Reuse INPUT	Reuse ratio = 1.5	Reuse ratio = 1.5	Reuse ratio = 1.5	Reuse ratio = 1.5
New Colorado River Supply INPUT	150,000 AFY to West Slope. 0 AFY to East Slope.	150,000 AFY to West Slope. 168,000 AFY to East Slope.	0 AFY to West Slope. 0 AFY to East Slope.	150,000 AFY to West Slope. 0 AFY to East Slope.
New Colorado River Supply RESULTS	93,000 AFY to West Slope. 0 AFY to East Slope.	93,000 AFY to West Slope. 40,000 AFY to East Slope.	0 AFY to West Slope. 0 AFY to East Slope.	150,000 AFY to West Slope. 0 AFY to East Slope.
New Agricultural Transfer Supply RESULTS	0 AFY to West Slope. 27,000 AFY to East Slope.	0 AFY to West Slope. 0 AFY to East Slope.	183,000 AFY to West Slope. 92,000 AFY to East Slope.	9,000 AFY to West Slope. 6,600 AFY to East Slope.
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 5% (22,000 acres). South Platte = 20% (172,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (82,000 acres).	Arkansas = 5% (20,000 acres). South Platte = 20% (148,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (82,000 acres).	Arkansas = 10% (44,000 acres). South Platte = 30% (244,000 acres). West Slope = 35% (300,000 acres). North Platte/Rio Grande = 10% (82,000 acres).	Arkansas = 5% (22,000 acres). South Platte = 20% (179,000 acres). West Slope = 15% (122,000 acres). North Platte/Rio Grande = 10% (82,000 acres).
Other Portfolio Trade-off RESULTS	15% of Arkansas and 40% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 11% at state line.	10% of Arkansas and 30% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 6% at state line.	30% of Arkansas and 65% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 11% at state line.	15% of Arkansas and 40% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 8% at state line.
Nonconsumptive RESULTS	No transbasin diversion.	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 168,000 AFY could be developed in the Gunnison River, Yampa River, and Green River. The 40,000 AFY result could also be developed in the Blue River.	No transbasin diversion.	No transbasin diversion.

Table 3 – Summary of Gunnison Basin Roundtable Portfolio Analysis

Portfolio Element	GUNN 1		GUNN 2		GUNN 3		GUNN 4	
Demand INPUT	Low (620,000 AFY)		Medium (980,000 AFY)		Medium (730,000 AFY)		High (1,060,000 AFY)	
Oil Shale INPUT	Yes		Yes		Yes		Yes	
IPPs INPUT	92% Gunnison IPP yield success.		88% Gunnison IPP yield success.		88% Gunnison IPP yield success.		94% Gunnison IPP yield success.	
Active Conservation INPUT	Medium Strategy (330,000 AFY). 50% applied to gap. Yield to gap = 167,000 AFY.		Medium Strategy (330,000 AFY). 50% applied to gap. Yield to gap = 167,000 AFY.		High Strategy (460,000 AFY). 36% applied to gap. Yield to gap = 167,000 AFY.		Medium Strategy (330,000 AFY). 50% applied to gap. Yield to gap = 167,000 AFY.	
Reuse INPUT	Reuse ratio = 1.5		Reuse ratio = 1.5		Reuse ratio = 1.5		Reuse ratio = 1.5	
New Colo. River Supply INPUT	140,000 AFY to West Slope. 80,000 AFY to East Slope.		140,000 AFY to West Slope. 80,000 AFY to East Slope.		140,000 AFY to West Slope. 100,000 AFY to East Slope.		0 AFY to West Slope. 0 AFY to East Slope.	
New Colo. River Supply RESULTS	23,000 AFY to West Slope. 72,000 AFY to East Slope.		140,000 AFY to West Slope. 80,000 AFY to East Slope.		111,000 AFY to West Slope. 100,000 AFY to East Slope.		0 AFY to West Slope. 0 AFY to East Slope.	
New Agricultural Transfer Supply RESULTS	0 AFY to West Slope. 0 AFY to East Slope.		16,000 AFY to West Slope. 89,000 AFY to East Slope.		0 AFY to West Slope. 0 AFY to East Slope.		199,000 AFY to West Slope. 144,000 AFY to East Slope.	
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 5% (18,000 acres). South Platte = 15% (136,000 acres). West Slope = 10% (84,000 acres). North Platte/Rio Grande = 10% (82,000 acres).		Arkansas = 10% (40,000 acres). South Platte = 25% (223,000 acres). West Slope = 10% (110,000 acres). North Platte/Rio Grande = 10% (84,000 acres).		Arkansas = 5% (20,000 acres). South Platte = 20% (154,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (82,000 acres).		Arkansas = 15% (59,000 acres). South Platte = 35% (293,000 acres). West Slope = 35% (316,000 acres). North Platte/Rio Grande = 10% (84,000 acres).	
Other Portfolio Trade-off RESULTS	15% of Arkansas and 35% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 1% at state line.		35% of Arkansas and 75% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 7% at state line.		15% of Arkansas and 40% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 6% at state line.		55% of Arkansas and 105% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 10% at state line.	
Nonconsumptive RESULTS	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 80,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 80,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 100,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		No transbasin diversion.	

Table 4 – Summary of Metro Basin Roundtable Portfolio Analysis

Portfolio Element	MET 1		MET 2		MET 3		MET 4	
Demand INPUT	Low (710,000 AFY)		Medium (880,000 AFY)		High (1,170,000 AFY)		High (1,760,000 AFY)	
Oil Shale INPUT	Yes		Yes		Yes		Yes	
IPPs INPUT	86% Metro IPP yield success.		88% Metro IPP yield success.		85% Metro IPP yield success.		85% Metro IPP yield success	
Active Conservation INPUT	Medium Strategy (330,000 AFY). 0% applied to gap. Yield to gap = 0 AFY.		Medium Strategy (330,000 AFY). 0% applied to gap. Yield to gap = 0 AFY.		Medium Strategy (330,000 AFY). 0% applied to gap. Yield to gap = 0 AFY.		Medium Strategy (330,000 AFY). 36% applied to gap. Yield to gap = 119,000 AFY.	
Reuse INPUT	Reuse ratio = 1.6		Reuse ratio = 1.6		Reuse ratio = 1.6		Reuse ratio = 1.6	
New Colorado River Supply INPUT	200,000 AFY to West Slope. 83,000 AFY to East Slope.		200,000 AFY to West Slope. 98,000 AFY to East Slope.		200,000 AFY to West Slope. 130,000 AFY to East Slope.		200,000 AFY to West Slope. 231,000 AFY to East Slope.	
New Colorado River Supply RESULTS	54,000 AFY to West Slope. 83,000 AFY to East Slope.		138,000 AFY to West Slope. 98,000 AFY to East Slope.		200,000 AFY to West Slope. 130,000 AFY to East Slope.		200,000 AFY to West Slope. 231,000 AFY to East Slope.	
New Agricultural Transfer Supply RESULTS	0 AFY to West Slope. 82,000 AFY to East Slope.		0 AFY to West Slope. 96,000 AFY to East Slope.		29,000 AFY to West Slope. 130,000 AFY to East Slope.		220,000 AFY to West Slope. 235,000 AFY to East Slope.	
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 5% (32,000 acres). South Platte = 25% (206,000 acres). West Slope = 10% (84,000 acres). North Platte/Rio Grande = 10% (85,000 acres).		Arkansas = 10% (39,000 acres). South Platte = 30% (233,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (85,000 acres).		Arkansas = 10% (51,000 acres). South Platte = 35% (287,000 acres). West Slope = 15% (142,000 acres). North Platte/Rio Grande = 10% (87,000 acres).		Arkansas = 20% (81,000 acres). South Platte = 45% (364,000 acres). West Slope = 35% (338,000 acres). North Platte/Rio Grande = 15% (94,000 acres).	
Other Portfolio Trade-off RESULTS	20% of Arkansas and 55% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 12% at state line.		25% of Arkansas and 60% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 12% at state line.		35% of Arkansas and 80% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 12% at state line.		55% of Arkansas and 105% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 7% at state line.	
Nonconsumptive RESULTS	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 83,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 98,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 130,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 231,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.	

Table 5 – Summary of North Platte Basin Roundtable Portfolio Analysis

Portfolio Element	NP 1
Demand INPUT	Medium (730,000 AFY)
Oil Shale INPUT	No
IPPs INPUT	100% North Platte IPP yield success.
Active Conservation INPUT	Low Strategy (160,000 AFY). 30% applied to gap in Arkansas, Metro, and South Platte. 0% applied to gap in all other basins. Yield to gap = 36,000 AFY.
Reuse INPUT	Reuse ratio = 1.68
New Colorado River Supply INPUT	90,000 AFY to West Slope. 210,000 AFY to East Slope.
New Colorado River Supply RESULTS	82,000 AFY to West Slope. 210,000 AFY to East Slope.
New Agricultural Transfer Supply RESULTS	0 AFY to West Slope. 0 AFY to East Slope.
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 5% (11,000 acres). South Platte = 15% (125,000 acres). West Slope = 10% (90,000 acres). North Platte/Rio Grande = 10% (85,000 acres).
Other Portfolio Trade-off RESULTS	5% of Arkansas and 25% of South Platte irrigated acres needed for fallowing program. INCREASE in South Platte River flows 4% at state line.
Nonconsumptive RESULTS	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 210,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.

Table 6 – Summary of Rio Grande Basin Roundtable Portfolio Analysis

Portfolio Element	RIO 1		RIO 2		RIO 3		RIO 4	
Demand INPUT	Medium (730,000 AFY)		Medium (730,000 AFY)		Medium (730,000 AFY)		Medium (730,000 AFY)	
Oil Shale INPUT	No		No		No		No	
IPPs INPUT	93% Rio Grande IPP yield success.		93% Rio Grande IPP yield success.		93% Rio Grande IPP yield success.		93% Rio Grande IPP yield success.	
Active Conservation INPUT	Low Strategy (160,000 AFY). 10% applied to gap. Yield to gap = 16,000 AFY.		Medium Strategy (330,000 AFY). 10% applied to gap. Yield to gap = 33,000 AFY.		Low Strategy (160,000 AFY). 10% applied to gap. Yield to gap = 16,000 AFY.		Medium Strategy (330,000 AFY). 10% applied to gap. Yield to gap = 33,000 AFY.	
Reuse INPUT	Reuse ratio = 1.58		Reuse ratio = 1.58		Reuse ratio = 1.58		Reuse ratio = 1.58	
New Colo. River Supply INPUT	75,000 AFY to West Slope. 150,000 AFY to East Slope.		75,000 AFY to West Slope. 150,000 AFY to East Slope.		75,000 AFY to West Slope. 300,000 AFY to East Slope.		75,000 AFY to West Slope. 300,000 AFY to East Slope.	
New Colo. River Supply RESULTS	74,000 AFY to West Slope. 150,000 AFY to East Slope.		71,000 AFY to West Slope. 150,000 AFY to East Slope.		74,000 AFY to West Slope. 242,000 AFY to East Slope.		71,000 AFY to West Slope. 227,000 AFY to East Slope.	
New Agricultural Transfer Supply RESULTS	0 AFY to West Slope. 3,200 AFY to East Slope.		0 AFY to West Slope. 0 AFY to East Slope.		0 AFY to West Slope. 0 AFY to East Slope.		0 AFY to West Slope. 0 AFY to East Slope.	
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 5% (20,000 acres). South Platte = 20% (156,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (85,000 acres).		Arkansas = 5% (20,000 acres). South Platte = 20% (154,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (84,000 acres).		Arkansas = 5% (20,000 acres). South Platte = 20% (154,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (85,000 acres).		Arkansas = 5% (20,000 acres). South Platte = 20% (154,000 acres). West Slope = 10% (94,000 acres). North Platte Rio Grande = 10% (84,000 acres).	
Other Portfolio Trade-off RESULTS	15% of Arkansas and 45% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 4% at state line.		15% of Arkansas and 40% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 7% at state line.		15% of Arkansas and 40% of South Platte irrigated acres needed for fallowing program. INCREASE in South Platte River flows 16% at state line.		15% of Arkansas and 40% of South Platte irrigated acres needed for fallowing program. INCREASE in South Platte River flows 10% at state line.	
Nonconsumptive RESULTS	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 150,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 150,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 300,000 AFY could be developed in the Yampa River, and Green River. The 242,000 AFY result could also be developed in the Gunnison River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 300,000 AFY could be developed in the Yampa River, and Green River. The 227,000 AFY result could also be developed in the Gunnison River.	

Table 7 – Summary of South Platte Basin Roundtable Portfolio Analysis

Portfolio Element	SP 1	SP 2	SP 3	SP 4
Demand INPUT	Medium (790,000 AFY)	Medium (790,000 AFY)	High (1,170,000 AFY)	High (1,170,000 AFY)
Oil Shale INPUT	Yes	Yes	Yes	Yes
IPPs INPUT	65% South Platte IPP yield success. Low Strategy (160,000 AFY). 10% applied to gap. Yield to gap = 16,000 AFY.	65% South Platte IPP yield success. Low Strategy (160,000 AFY). 10% applied to gap. Yield to gap = 16,000 AFY.	69% South Platte IPP yield success. Low Strategy (160,000 AFY). 10% applied to gap. Yield to gap = 16,000 AFY.	69% South Platte IPP yield success. Low Strategy (160,000 AFY). 10% applied to gap. Yield to gap = 16,000 AFY.
Reuse INPUT	Reuse ratio = 1.5	Reuse ratio = 1.5	Reuse ratio = 1.5	Reuse ratio = 1.5
New Colo. River Supply INPUT	175,000 AFY to West Slope. 0 AFY to East Slope.	175,000 AFY to West Slope. 175,000 AFY to East Slope.	175,000 AFY to West Slope. 0 AFY to East Slope.	175,000 AFY to West Slope. 175,000 AFY to East Slope.
New Colo. River Supply RESULTS	159,000 AFY to West Slope. 0 AFY to East Slope.	159,000 AFY to West Slope. 175,000 AFY to East Slope.	175,000 AFY to West Slope. 0 AFY to East Slope.	175,000 AFY to West Slope. 175,000 AFY to East Slope.
New Agricultural Transfer Supply RESULTS	0 AFY to West Slope. 205,000 AFY to East Slope.	0 AFY to West Slope. 30,000 AFY to East Slope.	86,000 AFY to West Slope. 279,000 AFY to East Slope.	86,000 AFY to West Slope. 104,000 AFY to East Slope.
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 15% (70,000 acres). South Platte = 40% (313,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (86,000 acres).	Arkansas = 5% (27,000 acres). South Platte = 20% (177,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (86,000 acres).	Arkansas = 20% (95,000 acres). South Platte = 50% (395,000 acres). West Slope = 20% (201,000 acres). North Platte/Rio Grande = 10% (88,000 acres).	Arkansas = 10% (49,000 acres). South Platte = 30% (262,000 acres). West Slope = 20% (201,000 acres). North Platte/Rio Grande = 10% (88,000 acres).
Other Portfolio Trade-off RESULTS	65% of Arkansas and 120% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 8% at state line.	25% of Arkansas and 55% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 2% at state line.	85% of Arkansas and 155% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 9% at state line.	45% of Arkansas and 90% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 3% at state line.
Nonconsumptive RESULTS	No transbasin diversion.	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 175,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.	No transbasin diversion.	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 175,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.

Table 8 – Summary of Southwest Basin Roundtable Portfolio Analysis

Portfolio Element	SW 1		SW 2		SW 3	
Demand INPUT	Medium (730,000 AFY)		Medium (730,000 AFY)		Medium (730,000 AFY)	
Oil Shale INPUT	No		No		No	
IPPs INPUT	88% Southwest IPP yield success.		88% Southwest IPP yield success.		88% Southwest IPP yield success.	
Active Conservation INPUT	High Strategy (460,000 AFY). 50% applied to gap. Yield to gap = 231,000 AFY.		Medium Strategy (330,000 AFY). 10% applied to gap. Yield to gap = 33,000 AFY.		Medium Strategy (330,000 AFY). 30% applied to gap. Yield to gap = 99,000 AFY.	
Reuse INPUT	Reuse ratio = 1.58		Reuse ratio = 1.39		Reuse ratio = 1.39	
New Colo. River Supply INPUT	73,000 AFY to West Slope. 0 AFY to East Slope.		73,000 AFY to West Slope. 150,000 AFY to East Slope.		73,000 AFY to West Slope. 150,000 AFY to East Slope.	
New Colo. River Supply RESULTS	38,000 AFY to West Slope. 0 AFY to East Slope.		71,000 AFY to West Slope. 150,000 AFY to East Slope.		59,000 AFY to West Slope. 150,000 AFY to East Slope.	
New Agricultural Transfer Supply RESULTS	0 AFY to West Slope. 42,000 AFY to East Slope.		0 AFY to West Slope. 14,000 AFY to East Slope.		0 AFY to West Slope. 0 AFY to East Slope.	
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 5% (28,000 acres). South Platte = 25% (187,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (82,000 acres).		Arkansas = 5% (23,000 acres). South Platte = 20% (164,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (84,000 acres).		Arkansas = 5% (20,000 acres). South Platte = 20% (154,000 acres). West Slope = 10% (94,000 acres). North Platte/Rio Grande = 10% (83,000 acres).	
Other Portfolio Trade-off RESULTS	25% of Arkansas and 60% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 12% at state line.		20% of Arkansas and 45% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 5% at state line.		15% of Arkansas and 40% of South Platte irrigated acres needed for fallowing program. INCREASE in South Platte River flows 1% at state line.	
Nonconsumptive RESULTS	No transbasin diversion.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 150,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.		Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 150,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.	

Table 9 – Summary of Yampa-White Basin Roundtable Portfolio Analysis

Portfolio Element	YW 1	YW 2
Demand INPUT	High (1,060,000 AFY)	High (1,110,000 AFY)
Oil Shale INPUT	Yes	Yes
IPPs INPUT	67% Yampa-White IPP yield success.	67% Yampa-White IPP yield success.
Active Conservation INPUT	High Strategy (460,000 AFY). 60% applied to gap. Yield to gap = 278,000 AFY.	High Strategy (460,000 AFY). 60% applied to gap. Yield to gap = 278,000 AFY.
Reuse INPUT	Reuse ratio = 1.5	Reuse ratio = 1.5
New Colo. River Supply INPUT	0 AFY to West Slope. 0 AFY to East Slope.	263,000 AFY to West Slope. 150,000 AFY to East Slope.
New Colo. River Supply RESULTS	0 AFY to West Slope. 0 AFY to East Slope.	253,000 AFY to West Slope. 111,000 AFY to East Slope.
New Agricultural Transfer Supply RESULTS	186,000 AFY to West Slope. 74,000 AFY to East Slope.	0 AFY to West Slope. 0 AFY to East Slope.
Ag Transfers and Urbanization – Irrigated Acres RESULTS	Arkansas = 10% (44,000 acres). South Platte = 27% (226,000 acres). West Slope = 33% (303,000 acres). North Platte/Rio Grande = 11% (83,000 acres).	Arkansas = 5% (22,000 acres). South Platte = 21% (172,000 acres). West Slope = 12% (113,000 acres). North Platte/Rio Grande = 11% (83,000 acres).
Other Portfolio Trade-off RESULTS	30% of Arkansas and 55% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 12% at state line.	15% of Arkansas and 35% of South Platte irrigated acres needed for fallowing program. DECREASE in South Platte River flows 2% at state line.
Nonconsumptive RESULTS	No transbasin diversion.	Transbasin diversion would trigger FWS consultation. Environmental flow metrics indicate the full 150,000 AFY could be developed in the Gunnison River, Yampa River, and Green River.