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Agenda

- Meeting Goals
- Welcome, Introductions, Framing the Day
- Panel Discussion
- Breakout Groups and Lunch
- Report Out from Breakout Groups
- State Demographer Presentation
- "Other" Scenarios
- Water Supply Reserve Account Criteria and Guidelines

Agenda

Upcoming IBCC Meetings:

- April 22
- June 17
- August 30
- October 14
- December 1

Meeting Goals

- 1. Examine common elements of December's mid-demand/mid-supply portfolios.
- 2. Discussion of the strategies associated with the mid-demand/mid-supply portfolio.
- 3. Begin examining other scenarios starting with the low-supply scenarios.



Tool Enhancements

- Updated oil shale water needs from preliminary results of Phase II of Energy Study
- Replacement of nonrenewable groundwater in the South Metro area
- Passive Conservation using SWSI 1 as placeholder
- Active Conservation using 2008 as baseline
- Water Use Reductions from Land Use Density for Future Development
- Additional Trade-Offs
 - Size of Alternative Agricultural Transfer Program
 - Cost of Portfolio
 - Nonconsumptive



During December 2009 meeting the IBCC develop several portfolios for the middemand & mid-supply portfolio. Common themes included:

- Promote success of Identified Projects and Processes
- Minimize agricultural transfers to meet future needs on the East Slope and West Slope
- Increase conservation
- Increase reuse of consumable supplies
- Utilize Colorado River System supplies on West Slope and East Slope

Example Portfolios from December Meeting

Portfolio Element	Group 1	Group 2	Group 3	Group 4
Identified Projects and Processes	322 KAF	382 KAF	367 KAF	410 KAF
Agricultural Transfers	15 KAF (22 KAF W/ Reuse)	60 KAF(88 w/ Reuse)	3 KAF	221 KAF (287 KAF w/ Reuse)
Colorado River System	350 KAF (480 KAF w/ Reuse)	316 KAF (404 KAF w/ Reuse)	350 KAF (461 KAF w/ Reuse)	30 KAF (39 KAF w/ Reuse)
Conservation	227 KAF (40% off 2000 East Slope and 20% for remainder of State)	177 KAF (30% Statewide)	223 KAF (35% Statewide)	315 KAF (30% Statewide)

	Strategies	Projects and Methods
	Agricultural Transfer	• Agricultural Transfers (Traditional and Alternative) – South Platte Basin – Arkansas Basin
	Colorado River System	• Green Mountain • Flaming Gorge • Yampa • Blue Mesa
folio	Conservation	• 20 to 25 Percent Savings Off of 2008 Water Usage
Pol	IPPs	 Providers current conservation plans and optimization of existing infrastructure Southern Delivery System, Arkansas Valley Conduit, Wolcott Reservoir, Elkhead Enlargement, Moffat Collection System, Rueter Hess Enlargement, Thornton Northern Project, Prairie Waters, Chatfield Reallocation, Northern Integrated Supply Plan (NISP), Windy Gap Firming, Halligan Enlargement, Seaman Enlargement

M&I Needs	Statewide	West Slope	East Slope	North Platte/ Rio Grande
M&I Water Needs (AFY)	1,021,000	262,000	748,000	11,10
SSI Water Needs (AFY)	84,000	45,000	39,000	
Oil Shale Water Needs (AFY)	61,000	61,000	0	
Total M&I Needs (AFY)	1,166,000	368,000	787,000	11,10
Strategies				
Passive Conservation	102,000	13,000	87,000	1,40
IPPs (AFY)	363,000	95,000	264,000	3,90
Active Conservation (AFY)	119,000	52,000	66,000	1,30
Landuse (AFY)	35,000	0	35,000	
New Supply Development (AFY)	350,000	208,000	142,000	
Reuse (AFY)	96,000	0	96,000	
New Supply Development Sub-Total (AFY)	446,000	208,000	238,000	(
Ag Transfer (AFY)	62,000	0	58,000	4,40
Reuse (AFY)	39,000	0	39,000	-
Ag Transfer Sub-Total (AFY)	101,000	0	97,000	4,400
Reduction in Irrigated Acres (nercent)	8%	7%	16%	19
Reddelion in ingated Acres (percent)	0,0	770	12% Arkansas 17% South Platte	
Reduction in Irrigated Acres (acres)	219,000	31,077	182,300	5,60
			39,400 Arkansas 142,900 South Platte	
Colorado River Depletions (MAF)	0.284	MAF (New)	2.918 MAF (Total)	



















Phase Uppe	Compact er Colora	Assumptions do River Corr	npact Appo	ortionment
1.0	State	% of Apportionment	% of 7.5 MAF(*)	
1	Colorado	51.75	3,855,375	
	New Mexico	11.25	838,125	
	Utah	23.00	1,713,000	
	Wyoming	14.00	1,043,000	
22 PRE	* Arizona is ar IMINARY RESULTS I	oportioned 50,000 af fro	om the Upper Basir	r Availability Study – Phase I







































Scenario	Colorado Basin		Yampa-White Basin		Total
	SSI (AFY)	M&I (AFY)	SSI (AFY)	M&I (AFY)	(AFY)
Low	0	2,000	0	31,000	33,000
Medium	3,000	3,000	58,000	56,000	120,000
High	5,000	3,000	106,000	56,000	170,000
ngn	5,000	3,000	100,000	56,000	170,000

Tool Enhancements – Portfolio Development

- Passive Conservation using SWSI 1 as placeholder
- Active Conservation using 2008 as baseline
- Water Use Reductions from Land Use Density for Future Development



rade-off tool v7.xlsx - Mic	rosoft Excel	
Colora Tra	ado's Water Supply Future Portfolio & ade-Off Tool Conservation Savings	
Arkansas	20% (152 gpcd or 20% off 2008 190 gpcd)	•
Colorado	25% (192 gpcd for 25% off 2008 256 gpcd)	•
30% (1 Me 35% (1 40% (1 North Platte	79 gpcd or 30% off 2008 256 gpcd) 66 gpcd or 35% off 2008 256 gpcd) 54 gpcd or 40% off 2008 256 gpcd) 25% (222 gpcd or 25% off 2008 296 gpcd)	✓✓
Rio Grande	25% (264 gpcd or 25% off 2008 352 gpcd)	•
South Platte	25% (155 gpcd or 25% off 2008 207 gpcd)	•
Southwest	25% (177 gpcd or 25% off 2008 236 gpcd)	•
Yampa/White	25% (158 gpcd or 25% off 2008 211 gpcd)	•

















WSRA Criteria and Guidelines Sub-Committee Recommendations

- Statewide Account Applications Once per Year September CWCB Meeting
- Statewide Account Evaluation Criteria Three Tiers
 - Promoting Collaboration/Cooperation and Meeting Identified Water Needs
 - Facilitating Water Activity Implementation
 - Water Activity Addresses Issues of Statewide Value
- Statewide Account Applications Support from 2 BRTS or Implement an IPP
- Basin Accounts Stronger relationship to Consumptive or Nonconsumptive Needs Assessments

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