

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

ARKANSAS RIVER COMPACT ADMINISTRATION
2004 ANNUAL MEETING

ORIGINAL

DECEMBER 14, 2004

8:30 a.m. (MST)

Approved 12/12/06
Bob Johnson

Lamar Community Building
610 South Sixth Street
Lamar, Colorado

0002

1

2

3 CHAIRPERSON: Federal Representative, Mr. Robin Jennison

4

5 FOR KANSAS:

6 Mr. David Pope

7 Mr. Randy Hayzlett

8 Mr. David Brenn

9 Mr. Lee Rolfs

10 Mr. John Draper

11

12 FOR COLORADO:

13 Mr. Rod Kuharich

14 Mr. James Rogers

15 Mr. Tom Pointon

16 Ms. Carol Angel

17

18

19

20

21

22

23

24

25

0003

1 CHAIRMAN JENISON: I'll call the annual
2 meeting of the Arkansas River Compact
3 Administration meeting to order. And the first
4 order of business is kind of to let everybody know
5 who is here. I'm Robin Jennison, the Federal
6 Chairman. I think what we are going to do, the
7 group is not that big. I think it would be
8 interesting for everyone to see who is here and who
9 you are affiliated with, so I think we'll start up
10 here with Randy, and if you all would introduce
11 yourself, when we get down to the end of the table,
12 just start over here. I will introduce Bev. Bev
13 is our court reporter, Bev Lohrey-Jantz. Then we
14 will go back, Kevin We will just work our way to
15 the end of the room and everybody can kind of get
16 an idea who is here and who is represented. Randy.

17 (Audience introduces themselves and
18 others, as follows:)

19 Randy Hayzlett from Lakin, Kansas, ARCA
20 representative; David Pope, from Topeka, Kansas,
21 ARCA representative, Kansas Department of
22 Agriculture, Division of Water Resources; David
23 Brenn, ARCA representative from Garden City,
24 Kansas; Jim Rogers, representative from Lamar,
25 Colorado, on the ARCA. Rod Kuharich, Director of

0004

1 Colorado Water Conservation Board, Denver. Tom Pointon, ARCA
2 representative upstream from the John Martin.
3 Kevin Salter, Kansas Department of Agriculture, Division of
4 Water Resources; Mark Rude, Kansas Department of Agriculture, Division
5 of Water Resources in Garden City. Lee Rolfs, Kansas
6 Department of Agriculture, Topeka, Kansas. Dale
7 Book, consultant for the State of Kansas. John
8 Draper, Santa Fe, counsel for Kansas. I'm Steve
9 Witte, I'm Colorado Division of Water Resources Div. 2 Engineer and
10 Operations Secretary to the Administration. Hal Simpson,
11 Colorado State Engineer from Denver. Ken Knox,
12 State Engineer's Office in Denver. Dennis
13 Montgomery, counsel for the state of Colorado.
14 David Barfield for the Kansas Department of Agriculture, Division of
15 Water Resources, Topeka. Bart Mendenhall for Lower
16 Arkansas Valley Water Conservancy District. Sandy
17 Rayl, US Army Corps of Engineers; Deborah Foley,
18 US Army Corps of Engineers; LTC Todd Wang, US Army
19 Corps of Engineers, Albuquerque District; Dan
20 Maxfield, Kearny County Farmers, Amazon Canal; Hal
21 Scheuerman, president of the Kearny County Farmers
22 Irrigation Association at Lakin. Steven Hines,
23 Frontier Ditch, Coolidge, Kansas. Carol Angel,
24 Colorado Dept. Of Law, Denver, Colorado. Chris
25 Woodka, Pueblo Chieftain, Pueblo, Colorado. Kent

0005

1 Askren, Kansas Farm Bureau, Topeka, Kansas; Don
2 Steerman, counsel for District 67, Amity, Buffalo,
3 and several others. Russ Livingston, hydrologic
4 consultant. Dennis Garcia, Corps of Engineers.
5 Susan Shampine, Corps of Engineers. Leroy Mauch,
6 Lower Arkansas Valley Water Conservancy District;
7 Van Truan, Corps of Engineers, Pueblo; Mike Meyer,
8 Kansas Department of Agriculture, Division of Water Resources, Garden
9 City. David Anderson, Kansas. Bill Grasmick, Lower
10 Arkansas Water Management Association. Terry Howland, Amity. Niles
11 Stansfield, New Amity, Inc., Fort Collins, Colorado. Mary
12 Talarico, New Amity, Inc., Fort Collins, Colorado;
13 Malcolm Wilson, Bureau of Reclamation, Loveland,
14 Colorado. Brian Person, Bureau of Reclamation,
15 Loveland. Lisa Vehmas, also with the Bureau of
16 Reclamation. Jaci Gould, Bureau of Reclamation.
17 Pat Edelman, US Geological Survey, Pueblo. Richard
18 Mehren, counsel for the Lower Arkansas Water
19 Management Association. David Harrison, counsel
20 for Lower Arkansas Water Management Association , Colorado. Monique
22 Morey, Colorado Division of Water Resources, Pueblo. Don Taylor,
23 Colorado Division of Water Resources, Pueblo. Joe
24 Flores, Colorado Division of Water Resources,
25 Pueblo. Thomas Ley, Colorado Division of Water

0006

1 Resources, Pueblo. Tom Williamson, Helton &
2 Williamson, PC, Englewood, Colorado. Eve Woods,
3 Colorado Department of Law, Denver. Nathan
4 Sullivan, U.S. Geological Survey, Hays, Kansas. Bill
5 Howland, Retired, Colorado Division of Water
6 Resources. Elsie Howland. Don Higbee, LAWMA,
7 Lamar. Bob Arambel, NRCS/SCD, Holly, Colorado.
8 Dan Neuhold, Colorado Division of Water Resources,
9 Lamar. Bill Tyner, Colorado Division of Water
10 Resources, Pueblo, Colorado.

11 CHAIRMAN JENISON: We're getting ready to
12 give Kevin a sign-up sheet that we would like to
13 have you sign up and also we have some agendas.
14 Does anyone up here need an agenda before, Steve --
15 if anybody cares for an agenda, Steve has one.

16 Ask the Commissioners to take a look at
17 the agenda. Do we need to revise the agenda that
18 we have; is that going to be okay to work from?
19 Okay. Then we will work from the agenda that we
20 have printed up.

21 We do have reports from some of the
22 officers and as a way of report, I would say that
23 this past summer we had just an outstanding tour of
24 the valley and it was, as a new commissioner, was
25 very helpful for me. I really appreciate

0007

1 everybody, the number of people involved. I, not
2 only people from Kansas and Colorado that put on
3 and really decided where we were going to go, but
4 we had a number of people in the valley that were
5 very helpful as far as showing us around and as for
6 myself, I think for some of the people that have
7 been on the Administration for a period of time, it
8 was helpful as well. But it kind of helped me to
9 begin to see where some of these places are that
10 we talk about, not just looking at it on the map,
11 and so it was very helpful. I would also say that I
12 really do appreciate, I think, the chemistry that
13 exists in the Administration. We have some issues
14 that need to be dealt with, but in the past, almost
15 to be three years, I've observed a real willingness
16 on the part of these guys to try to find some
17 solutions. They are not easy, but I think there
18 has been an effort to do that. I think we have
19 made some pretty good progress this year and I hope
20 that that continues. I think we will probably end
21 up getting something done with the reports, which
22 is something I brought up last year, I think we
23 will probably be able to take care of this year.

24 With that, I'll turn it over to David Pope.
25 Dave, do you have any reports in the way as Vice

0008

1 Chairman. You might stand up so it will be easier
2 to hear.

3 MR. DAVID POPE: It's going to be hard
4 for people to hear, so we probably all need to
5 speak up. I really don't have anything to add in
6 my capacity as Vice Chairman, other than well,
7 perhaps later it would be more appropriate when we
8 talk about some of the administrative things and the
9 fiscal.

10 CHAIRMAN JENISON: Then we will defer,
11 Jim, until item nine.

12 So then we have reports. What we would
13 like for the people that are going to do reports,
14 if you would come up here and we are operating
15 without a PA system this year. Last year it proved
16 a little cumbersome to pass around. We will find
17 out if this is better or worse. But, if you would
18 come up to the podium and try to project your voice
19 the best that you can. And, I think, first we are
20 going to start with Southeastern Colorado Water
21 Conservancy District. Jim Broderick. Is Jim here?

22 UNIDENTIFIED SPEAKER: Not yet.

23 CHAIRMAN JENISON: Then I guess we go
24 down to Leroy with the Lower Arkansas Valley Water
25 Conservancy District.

0009

1 MR. LEROY MAUCH: Good morning.

2 I appreciate the invitation to come. As you know,
3 the Lower Ark District is not quite two years old
4 yet. It's small, but we have come a long way in
5 two years, I believe.

6 We've purchased some water, we've
7 purchased some land, we've purchased some water
8 shares and we also leased some, and it, as our
9 mission states, you know, we are trying to preserve
10 and keep the water, what we can here in the valley
11 for the municipalities and agriculture. And we have
12 been working on some conservation easements and
13 this next year that is one of our big goals is to
14 try to get the conservation easements worked out
15 where we had some trouble with the Co-Go grants and
16 the appraisals and so forth, but we hope this next
17 year to really zero in on the conservation
18 easements which we think can help not only the landowner
19 but also the valley as far as keeping the water in
20 the valley and help keeping agriculture stabilized
21 and growing here in the valley.

22 If there are any questions, I would
23 entertain them.

24 CHAIRMAN JENISON: Questions for Leroy?
25 Leroy, thank you. U.S. Geological Survey. Pat

0010

1 E-D-E-L-M-A-N.

2 MR. PAT EDELMAN: Good morning. In 2004
3 the streamflow gages, there was 10 stream flow
4 gages that were operated under the USGS and ARCA
5 Cooperative Agreement. Eight of those gages were in
6 Colorado and two in Kansas. During 2004 the 8
7 gages in Colorado were prioritized with respect to
8 US Geological Survey federal interests, and seven
9 of the 8 gages being operated under the Joint
10 Cooperative Agreement were designated high
11 priority. One gage, Wildhorse Creek above Holly,
12 received a medium priority ranking. The reason why
13 that is important, that there's a variable federal
14 match ratio that's put in depending on the priority
15 of the station that we've given. The near final annual
16 flows are shown on the second page and for you, as
17 well as the folks in the audience, in 2004 the
18 flows at Arkansas River below John Martin Reservoir
19 were 152,800 acre-feet. That is about two times
20 what they were in 2003. Arkansas River at Lamar
21 reported 34,630 acre-feet. That was 2.7 times what
22 occurred in 2003. At Big Sandy there was 3,720
23 acre-feet, which was about 1.8 times what occurred
24 in 2003. Arkansas River near Granada, 39,900
25 acre-feet or 2.7 times what occurred in 2003. Wild

0011

1 Horse Creek flows were 3,340 acre-feet or 1.8 times
2 what occurred in 2003. Arkansas River near
3 Coolidge, 57,100 acre-feet, again about 1.8 times
4 what occurred in 2003 and Frontier Ditch had a
5 little over 9,000 acre-feet, or again, about 1.8
6 times what occurred in 2003.

7 In 2005 USGS is proposing to continue to
8 operate the 10 streamflow gages. However, I think
9 there's been some discussions about what's
10 happening and the value of Wild Horse and Big
11 Sandy. I gave you, basically went through the
12 annual flows. Big Sandy again in 2004 contributed
13 about 3,700 acre-feet and Wildhorse about
14 thirty-three. In September Wildhorse had one day,
15 this was well over 300 cubic feet per second as a
16 result of a rain storm event. There were several
17 other days, I think there's about 20 different
18 events that were reported at Wildhorse Creek but
19 generally, Wildhorse contributes about one
20 (unintelligible). A fairly small amount of flows
21 that are measured there.

22 Big Sandy, generally in August,
23 September, was averaged between five to 50 cfs. So
24 that gives you some information depending on what
25 the Commissioner would like to do. Those two gages

0012

1 do represent about a third of the total program
2 with the USGS Colorado District, so it's a fairly
3 large component for those two gages.

4 In 2005, all 10 gages are operated at a
5 cost to the Compact Administration will be \$46,370
6 of which \$37,070 would be for operation of the 8
7 gages in Colorado; and \$9,300 for operation of the
8 two gages in Kansas.

9 A couple other things that may be of
10 interest, there's a draft report that is describing
11 variability in ground-water pumpage and differences
12 in ground-water pumpage between the method of using
13 power conversion records to estimate pumpage for
14 the year compared to in-line flow meters and
15 looking at the temporal variability when those
16 power conversion coefficients are applied for in
17 time to estimate pumpage. So that report is, is at
18 draft, colleague review stage, is being reviewed by
19 two USGS colleagues, state of Kansas
20 representatives and the state of Colorado. We
21 expect to be getting those reviews back by the
22 first of the year, then we will revise the report
23 and make subsequent revisions after it is approved
24 and submit it for publication.

25 Also in 2004 we made a final set of

0013

1 seepage loss investigations on the 8 canals under
2 the Purgatoire ditch systems and we are in the
3 process of documenting those findings. That report
4 will be published in 2005.

5 That concludes my report. If there's any
6 questions I'll be happy to try to answer them.

7 CHAIRMAN JENISON: Questions for Pat?

8 MR. DAVID POPE: Pat, just a quick
9 question on the summaries of the flows for water
10 years 2003 and 2004, have you run any numbers in
11 terms of how those compare to in longer term
12 periods?

13 MR. PAT EDELMAN: I didn't do that this
14 year, that is an easy thing to look at, but I did
15 not do that analysis before coming.

16 MR. DAVID POPE: It occurs to me, and I
17 appreciate the information, but 2003 was very, very
18 low so...

19 MR. PAT EDELMAN: We are still below
20 average.

21 MR. DAVID POPE: Doesn't mean there's
22 lots of water in 2004...?

23 MR. PAT EDELMAN: No, no, no, that's
24 right. If I gave that impression that is...
25 thanks for that correction.

0014

1 MR. DAVID POPE: Sure.

2 CHAIRMAN JENISON: Any other questions
3 for Pat? David Brenn.

4 MR. DAVID BRENN: Pat, in regards to the
5 46,370 figure that you talked about, can you kind
6 of share with us the trend of that and cost and
7 what you expect it to do?

8 MR. PAT EDELMAN: The trend over the last
9 several years prior to this one were
10 basically, federal funds are flat or diminishing,
11 and so therefore, the cost of the operation has
12 been passed onto, to our customers, and so prior to
13 the prioritization process within the state of
14 Colorado, we had the two year, the two previous
15 years, they were increasing about 8 to 12 percent
16 for the customers side. This year, the cost for
17 the high priority gages was around four percent
18 increase.

19 CHAIRMAN JENISON: Any questions for Pat?
20 I don't see any, Pat, thank you.

21 MR. PAT EDELMAN: Thank you.

22 CHAIRMAN JENISON: US Army Corp of
23 Engineers, Colonel Todd Wang. If you don't have a
24 report, Dennis and Susan are handing those out for
25 you. I believe the panel has their reports.

0015

1 LTC. TODD WANG: Good morning. What a great morning
2 to be on the high plains. Too bad we are not having this
3 on the tailgate finishing up some coffee, about to
4 walk some fields for some pheasants. But, I can
5 relate because this coming weekend I will do that.
6 I've finished my Christmas shopping. My wife has
7 allowed me to go hunting now.

8 Very pleased to be here this morning
9 participating in this very important annual event.

10 My perspective is as a young boy growing
11 up in southwest Kansas, so, surf on the Arkansas
12 River and the Cimarron River, sailboating
13 on John Martin Reservoir and then, of course,
14 traveling to southeast Colorado at this time of
15 year participating in those famous wrestling
16 matches that Ark Valley would have every fall and
17 winter, brings back some great memories. So it is
18 a pleasure to be here today.

19 As I already introduced myself, Commander
20 of the Albuquerque District, but I am a home-town
21 boy of southwest Kansas, so I will probably use the
22 word "R-kansas" versus "Arkansas" interchangeably. It
23 wasn't until I went to college at Golden, Colorado
24 at Mines that I actually realized that the Arkansas
25 is pronounced differently, and it is, so after that

0016

1 team the Arkansas Razorbacks but I'll try to use
2 the term intermittently so I do represent-the
3 whole watershed's my responsibility, but I am
4 from southwest Kansas.

5 We have already done introductions of my
6 staff that are here and they are the experts, they
7 keep me in line. Please engage them if you have
8 any questions or concerns. We are here at your
9 pleasure. We are here to serve you. So please work
10 with them and we are here to work with you on your
11 concerns.

12 Flood control operations. The Arkansas
13 River snowmelt runoff was slightly below normal
14 throughout the entire Basin ranging from 79 percent
15 of average. There are no significant flood
16 control operations at John Martin or Pueblo
17 Reservoirs. However, Trinidad, heavy rains fell
18 in the area of Trinidad Lake in early August 2004
19 producing flows in excess of 4,500 cfs along the
20 Purgatoire River above the reservoir. It was
21 discovered during the flood operations at this time
22 that the outlet works gaging station becomes
23 unreliable for flow measurements greater than 1,000
24 cfs. Historically, at Trinidad releases had been
25 below 1,000 cfs and it wasn't until May 5 of this

0017

1 year that it actually exceeded that and a release
2 of 1,051 cfs was recorded.

3 On Wednesday, August 11, heavy rainfall
4 produced runoff which increased lake elevations 2.5
5 feet accumulating over 1,800 acre-feet of storage.
6 The reservoir release at this time was 163 cfs.
7 During the daily coordination meeting on the
8 morning of Thursday, August 12, the Colorado Water Commissioner
9 requested release of 1,300 cfs. The USGS was
10 notified of a release and they provided a down
11 stream stage for the outlet works gaging station of
12 8.22 feet to correspond to the requested 1,300 cfs
13 flow. Release was increased to 1,300 cfs.
14 However, after checking the flow measurement at the
15 outlet works gaging station, it appeared the
16 release was actually decreasing although the gates
17 had been opened to release 1,300 cfs. Fortunately,
18 USGS was on site during the day and measured the
19 flow at 1,260 cfs. It is during this release that
20 the USGS determined that the turbulence at the
21 outlet works flip bucket, where the gaging station
22 is located, was causing a back water effect which
23 was drawing down the water level in the outlet
24 works gaging station. This gives the effect of
25 decreasing flows. Based on this information, USGS

0018

1 deemed the outlet works gaging station unreliable
2 for flows in excess of 1,000 cfs.

3 According to the USGS it is currently taking
4 measures to ensure that reliable readings for flows
5 exceeding the 1,000 cfs be verifiable, including
6 placing into service the secondary gaging station
7 located approximately 100 yards downstream from the
8 outlet works. The Corps plans to have the secondary
9 gaging station fully functional in the near future.
10 There are no new or ongoing studies in the Arkansas
11 Basin under the Planning Assistance to States
12 Program.

13 Tamarisk and invasive species can be removed
14 and native species restored under Section 206 and
15 Section 1135 of our Continuing Authorities Program.
16 Section 1135 is cost-shared at 75/25. 75 being
17 federal. Applies if the spread of invasive species
18 can be partially attributed to Corps projects.
19 Section 206, however, does not have that Corps
20 project requirement and it has cost-shared of
21 65/35, 65 being federal government. Both programs
22 are funded \$25 million nationally and overall our
23 CAP program, Continuing Authorities Program, is
24 stretched right now because of the huge
25 requirements across the nation so we are actually

0019

1 trying to do backlog with this and with the, not
2 with (unintelligible) that CAP program will remain
3 at that level.

4 Currently there are no active Section 1135
5 projects.

6 In 2001, the Arkansas River Fishery Habitat
7 Restoration Project was approved and a Project
8 Cooperation Agreement was signed with the City of
9 Pueblo in 2002. The project will improve fish and
10 riparian habitat along 10 miles of the Arkansas
11 River downstream of Pueblo Dam. Improvements will
12 include instream habitat and channel enhancement
13 structures, channel restructuring, and
14 riparian/bank plantings. Construction is ongoing.
15 I was just there yesterday visiting that project
16 and it is scheduled for completion in 2005.
17 Planning a Memorial Day opening ceremony.

18 There are two Section 14 projects in Colorado
19 Springs; Powers Boulevard and Chelton Road. The
20 projects are to protect the roadway bridges and
21 involve grade control and slope protection. These
22 projects are on hold pending funding.

23 Section 205 project in Colorado Springs along
24 Cheyenne Creek. The District has recommended that
25 this become a General Investigation Study, since

0020

1 the costs exceed Federal funding limitations for a
2 Section 205 project. There's a \$7,000,000 limit.

3 Section 205 project at Florence along the Oak
4 Creek tributary to the Arkansas River is in the
5 feasibility stage. The project is being designed
6 to fulfill both flood control and water supply
7 objectives.

8 The Fountain Creek watershed study began in
9 2002. It will be ongoing through 2007. The
10 project will look at the entire watershed,
11 identifying potential detailed studies involving
12 environmental restoration, flood reduction,
13 socio-economic effects and other factors by
14 studying and generating an Environmental Impact
15 Study and Feasibility document.

16 At the request of the Colorado Water
17 Conservation Board, and partially funded by the
18 Federal Emergency Management Agency, Region VIII,
19 the Corps initiated a floodplain delineation study
20 and Flood Insurance Study for Oak Creek through the
21 towns of Williamsburg and Rockvale and for Coal
22 Creek through the town of Coal Creek in Fremont
23 County. The study uses digital topographic mapping
24 developed by the Fremont County regional GIS
25 Authority.

0021

1 Under authority of an Interagency Agreement with
2 the Federal Emergency Management Agency, Region
3 VIII, the Corps initiated a Flood Insurance Study
4 for a portion of Black Squirrel Creek and five
5 tributaries in El Paso County. The study uses
6 digital topographic mapping developed by the El
7 Paso County Department of Transportation.

8 In addition to these studies, the Corps
9 received approximately 20 requests for technical
10 services at specific sites within the Arkansas
11 River Basin.

12 In 2004, 14 individual permits were issued in
13 the Arkansas River Basin. An additional 268
14 activities in the Basin were reviewed during the
15 period and most were covered under nationwide
16 permits.

17 That concludes my report pending any
18 questions.

19 CHAIRMAN JENISON: Questions of Colonel
20 Wang. Don't see any. Thank you.

21 Jim Broderick is here now. He has other
22 commitments so we will go back to him.
23 Southeastern Colorado Water Conservancy District,
24 Jim Broderick.

25 MR. JIM BRODERICK: Good morning. Thank

0022

1 you very much for accommodating me. I apologize.

2 I just have too many things scheduled in one day.

3 I would like to brief you on three items
4 very quickly. As you have requested to come back
5 every year and talk about the Preferred Storage
6 Option Plan, we are working on a, about a seven
7 year project so far, moving to the eighth year on
8 what we believe is needed water for storage needs,
9 excess storage and resource management of our
10 facilities. We also hope that we provide continued
11 recreational needs, provide the assurance of
12 existing users entitlements of the Fry-Ark Project
13 to be protected.

14 I won't go back into the history of how
15 we started and all of the storage study committee.
16 I will however, brief a little bit on that was an
17 extensive process that brought in the whole Basin,
18 included every community within the Basin could
19 have input on this and basically it got us down to
20 a point where the Preferred Storage Option Plan is
21 at. The Legislation is an attempt to do a
22 feasibility study to see if you could enlarge
23 Pueblo Reservoir and Turquoise Reservoir in the
24 near future. We seemed to be moving fairly well
25 until about a week ago, two weeks ago, I guess now,

0023

1 when the Lower Arkansas Conservancy District has
2 requested or has written a letter to our delegation
3 stating that they are opposed to PSOP. We are
4 waiting to hear information on what they are
5 opposed to and I believe that information will be
6 forthcoming in a few weeks.

7 As you are aware, the Lower Arkansas
8 Conservancy District is a new district that was
9 formed two years ago. Parts of their membership
10 were a part of this process so we are waiting to
11 see where we are with them. Probably more
12 importantly for your update, the last time we
13 talked we were still dealing with Pueblo and their
14 flow program. We have resolved the flow program
15 through Pueblo and Pueblo is supportive of the
16 project. We also have resolved all issues with the
17 Colorado River District and their issues associated
18 with the Preferred Storage Option Plan.

19 So I think that's just about where we are
20 sitting right now on that project. I will also say
21 it was, we had a very good meeting with Kansas
22 earlier this year to talk about this project with
23 Mr. Pope and his group and had a pretty good
24 dialogue and understood some of the issues that
25 Kansas had with regard to this Legislation.

0024

1 I'll move onto the next two items and
2 then be glad to take any questions, if I can, if
3 that would be all right with you all.

4 Second item I would like to talk a little
5 bit about has to do with the conduit. As you all
6 will remember in the Fryingpan-Arkansas Project
7 there is authorization of a conduit that comes from
8 Pueblo all of the way to Lamar here, and it had
9 been authorized but never built. Right now there
10 is Legislation being moved forward to authorize
11 again, the Fry-Ark Conduit Project with regards to
12 authorizing the Corp. What we are doing right now
13 is looking at studies, financial analysis, to
14 determine if the project is feasible, if it can be
15 accomplished. Legislation has been, as I said,
16 entered by Senator Allard, and it is in the WRDA
17 Bill. As you are all aware of, by now, I'm sure,
18 now the bill has been held for this year and will
19 be brought over next year and that is in that bill
20 for authorization not funding. Let me state that
21 again. For authorization not funding. For about
22 85 million dollars. And so we look forward to
23 seeing where that goes in the next year.

24 The third item, I think, of major importance
25 for you all is we are involved in the tamarisk bill

0025

1 that's been entered by Senator Domenici of New
2 Mexico. Part of that bill has to do with
3 eradication of tamarisk. And in that bill there
4 are planned to be three pilot areas. We are in
5 hopes that the Arkansas Valley will be one of those
6 planned areas, however we are waiting to hear where
7 that, when the bill gets approved and where those
8 sites will be. We have been very proactive in
9 setting up a basin-wide eradication of tamarisk as
10 opposed to site specific. That's made our project
11 a very focal project because one of the first
12 basin-wide eradication projects to be discussed.
13 So we are hoping to be one of those three pilots.

14 We also put in an application last year to the
15 Bureau's 2025 Program for the same project for a
16 matching \$300,000 grant. We were not one of those
17 that were selected, however we will be resubmitting
18 that application this year.

19 With that, I think that's the essence of
20 what's be going on in Southeastern. Be glad to
21 take any questions.

22 CHAIRMAN JENISON: Questions for
23 Mr. Broderick?

24 MR. DAVID POPE: Good morning. Again, do
25 appreciate your coming to visit with us on the

0026

1 PSOP program, I guess I would just note that the
2 number of issues there are unresolved from the
3 standpoint of our perspective. What is your
4 expectation in terms of next year on that, do you
5 anticipate reintroduction is --

6 MR. JIM BRODERICK: We anticipate the
7 reintroduction of the bill that was introduced
8 earlier in the part of the year. We are going to
9 attempt to try to resolve the differences that we
10 still have with the bill. I'm unable to tell you
11 what the Lower Ark's concerns are because we
12 haven't yet received a letter to explain to us what
13 they are. However, with regard to Kansas'
14 concerns, everything that we are dealing with is
15 the feasibility study, as you are aware of, it's
16 not the moving of dirt or building a thing. It's
17 strictly a feasibility to set up a study program to
18 determine if it is feasible. I'm hoping a lot of
19 the issues that are still unanswered can be couched
20 into the feasibility study in some way, and that's
21 what our hopes are to be able to address those.

22 MR. DAVID POPE: You mentioned the
23 feasibility study, but have you narrowed down or
24 eliminated some of the authorization for
25 contracting on excess storage? That was also in

0027

1 the bill that was introduced.

2 MR. JIM BRODERICK: We have not. That is
3 exactly where it was with the excess capacity
4 issue. That is still -- all three parts of the
5 original bill are still there. We plan on moving
6 all three parts again. Given the last few years,
7 we are even more concerned about insuring that we
8 utilize our facilities the best way we can and look
9 at storage, which as you are well aware is an
10 important issue for most states.

11 MR. DAVID POPE: We certainly recognize
12 that, we just have some serious concerns about
13 impacts and poor quality and a variety of things
14 of that nature (unintelligible) out here today, but
15 we look forward to some form of process or dialogue
16 to deal with that.

17 MR. JIM BRODERICK: And I'm sure we will.
18 As we stated before in our meetings, that the State,
19 you all, most states are working on water quality
20 and will allow you guys to do that and understand
21 the needs associated with that. Our concern is to
22 be able to get out and get the data to determine if
23 this is feasible and that is a critical piece for,
24 for the district because there are questions that
25 need to be answered that we can't answer without

0028

1 doing the research and getting the data, so, as you
2 are well aware of. And part of those flowed into
3 the area that you are interested in.

4 MR. DAVID POPE: Yeah, I think in this
5 case, the high flows and how they are dealt with
6 and the quality are big issues but there's lots of
7 things there. On the tamarisk issue, Jim, that you
8 mentioned, obviously been an issue that both of our
9 states, I think, have been very concerned about and
10 in Kansas, there's a group working on that as well, to
11 look at the various kinds of controls and what
12 might be possible. I guess my question is, do you
13 know if the Arkansas or Arkansas River was picked
14 as one of the three pilot studies, would that
15 extend in both states or is it being looked at;
16 what is the scope of that?

17 MR. JIM BRODERICK: Scoping of that
18 project right now is it does not go into both states,
19 but very easily could go into both states. The
20 project that we put in and for and had discussion
21 with Senator Campbell, when Senator Campbell joined
22 with Senator Domenici, we felt it was important to
23 have a basin-wide approach. Most approaches
24 traditionally are project specific as opposed to
25 basin-wide. As you are aware, the Arkansas or

0029

1 Arkansas, depending, is a large river at some parts
2 of the year and small river at other parts of the
3 year, and falls in between. One of the few rivers
4 that we'll be able to show what you could do to
5 larger rivers and smaller rivers, and so that's why
6 we wrote up the proposal. We have not made it
7 multi-state from a perspective of what we presented
8 so far, but think that's an idea that should be
9 forwarded. And I think if we can move in that
10 direction it most certainly would be.

11 MR. DAVID POPE: I appreciate that. We
12 have been, in general terms, aware of the
13 legislation, but not quite as engaged as you folks
14 have been at that level. I think that's an area
15 that we might consider, might be something that we
16 could actually work on together, so that's...

17 MR. JIM BRODERICK: As you are well aware
18 of, in Washington, when you say three pilot
19 projects, when you look at the whole western United
20 States, we are hoping that we are one. We also
21 know the political reality of who will be and who
22 won't and who has the most votes and those kind of
23 things, but we think that the project is a little
24 unique in its approach. So we are hoping that
25 we'll be able to be a part of that. We had higher

0030

1 hopes when Senator Campbell was there but now that
2 he's gone, we are not sure what will happen.

3 MR. DAVID POPE: I think that's all I
4 have.

5 CHAIRMAN JENISON: Other questions?
6 Don't see any. Thank you very much, Jim.

7 MR. JIM BRODERICK: Thank you very much
8 for your time.

9 CHAIRMAN JENISON: U.S. Bureau of
10 Reclamation. And that is P-E-R-S-O-N. Good
11 morning, Brian.

12 MR. BRIAN PERSON: Morning. My name is
13 Brian Person. I'm area manager for the Eastern
14 Colorado Area Office of the Bureau of Reclamation.
15 It is B-R-I-A-N P-E-R-S-O-N. My perspective on
16 coming to this part of the country is just a little
17 different than the Colonel's. I'm a North Dakota
18 native, so this is very much like coming home,
19 coming here to the plains, and if you could
20 envision a hot July day in North Dakota, that is
21 what this is out here today. Made me kind of
22 homesick, actually. Had to take my jacket off.

23 The Eastern Colorado Area Office operates (and
24 maintains primarily, at least, in the case with
25 Colorado Big Thompson,) two major transmountain

0031

1 diversion projects. They are the Colorado Big
2 Thompson Project and the Fryingpan-Arkansas
3 Project. We also administer the Irrigation
4 Repayment Contract with the Purgatoire Water
5 Conservancy District and the Trinidad Dam and
6 Reservoir Project.

7 I would like to first today discuss the status
8 of the Operating Principles for the Trinidad
9 Project, then I'll talk about the current water
10 year and prior water year for the Fry-Ark Project
11 and briefly touch on a few of the Fry-Ark Project
12 issues, sort of expand on the report Mr. Broderick just
13 provided you.

14 First, on the Operating Principles, last
15 December all of the hard work that the parties had
16 previously put into amending the Operating
17 Principles over the years resulted in an agreement.
18 I think it was a very productive session we had
19 last December. ARCA built on the progress made in
20 the May 2003 meeting when we achieved agreement on
21 amendments on the Model Transfer to State Parks, and
22 the so-called Clean-up Amendment that is correcting
23 some of the information on tabulated water rights
24 and irrigated parcels.

25 Last December the remaining differences in the

0032

1 stock water and acreage verification amendments
2 were resolved, and ARCA voted in support of the
3 resolution approving the amendment.

4 Since December of last year, as promised,
5 Reclamation's completed the hydrologic analysis for
6 the Stockwater Amendment. As we had anticipated,
7 the analysis showed that the effects of changing
8 the stockwatering practice from releasing a
9 consistent smaller amount to storing and releasing
10 a larger amount, which would be more hydraulically
11 efficient, that that did, in fact, was more
12 effective and the effects on streamflows and
13 depletions were minimal, if not negligible.
14 Reclamation also completed compliance with the
15 National Environmental Quality Act, NEPA, for
16 Reclamation's adoption of the Operating Principles.
17 An environmental assessment was completed in
18 November and the Finding Of No Significant Impact
19 or a FONSI was signed. We had hopes that we
20 could complete the Environmental Assessment sooner
21 than we were able to, and I want to sincerely
22 apologize to the Administration for the time that
23 it took. It was not so much that we underestimated
24 the amount of time that the EA would take to
25 complete, but rather we underestimated the amount

0033

1 of other work that a very limited natural resources
2 staff that does this kind of work, had on their
3 plate. So I apologize for the inconvenience and
4 delay. I'm pleased that although, that it was completed
5 and all of the parties have now signed the
6 Operating Principles, I would like to sincerely
7 thank the many people who worked diligently to get
8 these amendments adopted. Many have worked on these
9 longer than I have but the last four years'
10 involvement make me truly appreciative of the work
11 involved to reach resolution on these issues.

12 We now have Operating Principles that allow
13 for a more effective approach to providing
14 stockwater. Assurance for Kansas that the
15 appropriate amount of acreage within the District
16 is irrigated, and we have corrected a number of
17 provisions to more accurately reflect water rights
18 of contracted acres within the District.

19 After we have received all of the signature
20 pages of the Amended Operating Principles, we will
21 compile them and send signed originals to the
22 signatories. For those who desire them, copies of
23 the Amended Operating Principles will be available.
24 We will also send copies of the Environmental
25 Assessments to those who are interested. I would

0034

1 like to personally and publicly thank Lisa Vehmas
2 and Malcolm Wilson of our staff who introduced
3 themselves a little earlier. Without their
4 diligence and concerted efforts on these, we,
5 Reclamation, would not be able to complete our part
6 of these. Thank you.

7 On a related topic, the Environmental
8 Assessment also analyzed proposed amendments to the
9 Trinidad Project Operating Criteria, to bring the
10 Operating Criteria into conformance with the
11 amendments of the Operating Principles. The
12 Operating Criteria are signed by the Purgatoire
13 Conservancy District and Reclamation. The parties
14 are taking a last look at proposed changes. I'm
15 hopeful the Amended Operating Criteria will be
16 signed in the near future.

17 Next on the agenda for the Operating
18 Principles is the 10 year review. As many of you
19 know, the Operating Principles require a review of
20 the principles every 10 years. The objectives are
21 primarily two-fold. One is to help obtain optimum
22 beneficial use of the water supply as conditions
23 change, experience is gained and more technical data
24 become available pursuant to the Operating
25 Principles, that is in accordance with Article 6,

0035

1 and to determine the effect, if any, operation of
2 the project has had on other Colorado and Kansas
3 water users pursuant to Kansas Condition 4.

4 The report from the last 10 year review was
5 issued in 1996. The review process will be
6 initiated by contacting the various parties to
7 scope the issues that should be examined during
8 review. We will also begin developing the process
9 for conducting the review itself. Those two
10 processes are interdependent. The review process
11 will be determined, in part, by the issues raised
12 during the scoping.

13 I would like to provide a brief update on the
14 Water Conservation Field Services Program. Due to
15 the drought, the Transit Loss Study of the Trinidad
16 Project Canals conducted by the Geological Survey
17 has been placed on hold for a couple of years. The
18 Transit Loss Study was to determine water loss from
19 the delivery canals. USGS has collected two
20 years of data and finished the third set of data
21 this last irrigation season. They will now compile
22 the data. You can anticipate a report by mid-2005
23 on the results of the study.

24 Also like to offer a few words on tamarisk
25 control.

0036

1 The fear is back. Reclamation began an
2 experimental tamarisk control measure, a biological
3 measure, by releasing leaf eating beetles within
4 the salt cedar stands immediately below Pueblo
5 Reservoir. The beetles were initially released in
6 netting that was attached to the trees so that they
7 were captive. As additional data was gained from
8 the net-captured release, the beetles were
9 released so they could migrate more naturally
10 amongst the trees. We continued to gather data and
11 the beetles have been somewhat successful in
12 eradicating portions of the tamarisk. As they
13 consume the leaves, the plants are no longer able
14 to complete photosynthesis so they die or at least
15 go dormant. Reclamation is now in the process of
16 conducting new compliance for another beetle
17 release at Bonnie Reservoir where there is a very
18 significant infestation of salt cedar. This spring
19 there was a release of approximately 100 beetles in
20 a salt cedar stand near John Martin. We are
21 gathering data on that as well. There seems to be,
22 as we gather data there seems to be, a critical
23 period for the beetles, they are very photo-
24 sensitive so the length of the day is critical to
25 them, so they have gone to a different province of

0037

1 China to collect this last round of beetles where
2 their photosensitivity that they have gained in
3 their native environment is different. They have
4 also discovered that ants are a natural predator to
5 the beetles, so they have taken some measures like
6 putting a sticky substance on the trunks of the
7 trees to help prevent the predation of ants. It
8 remains a question as to whether there will be a
9 viable tamarisk eradication measure over the long
10 term or broader in scope as we continue to gather
11 valuable data.

12 The Fryingpan-Arkansas Project Water Year, the
13 water year 2004 was not as good as 2003. In the
14 spring of 2004, snowpack readings on the west
15 slope were significantly more or less at
16 80 percent. In May we estimated there would be
17 approximately 30,000 acre-feet of water available
18 to import from the west slope, but by the end of
19 July the total quantity available to Boystead
20 Tunnel was just 27,398 acre-feet. That is just 50
21 percent of the average yield for the Fry-Ark
22 Project. It is still very much too early to
23 predict next year's runoff, but we are, of course,
24 hopeful it will be better. The snowpack for both
25 the Fry-Ark Project collection area and Arkansas

0038

1 Basin is currently over 100 percent of average. If
2 we can stay there in March, then we will have
3 accomplished something. But it's early, there is
4 plenty of space available. There is currently over
5 202,000 acre-feet of storage space available in
6 East Slope reservoirs.

7 To wrap up, I'll give a brief issue update on
8 several of the issues also involving the Fry-Ark
9 Project.

10 Activity in the contracting year continues,
11 Colorado Springs and smaller communities have
12 requested excess capacity contracts for storage and
13 conveyance of non-project water, that is water that
14 is not affiliated or apportioned to the project itself.

15 Within the Fry-Ark Project in connection with
16 their proposed Southern Delivery System, when built
17 the SDS would deliver water from the Pueblo
18 Reservoir area northward to the Colorado Springs
19 area. Reclamation is the lead agency for
20 preparation of Environmental Impact Statements on
21 the SDS. We continue to work with the city of
22 Aurora for their request for a long term, that is a
23 40 year excess capacity contract for storage to
24 exchange their non-project water.

25 Reclamation has determined it has the

0039

1 authority to enter into such a contract and we
2 continue to move forward with National
3 Environmental Policy Act compliance.

4 Southeastern Colorado Water Conservancy
5 District has requested Reclamation enter into
6 contract with District municipal entities for use
7 of excess capacity for storage of non-project water
8 through a master contract with the District.

9 Reclamation, after determining we do have the
10 authority for such contracts, is in discussions
11 with the District on this contract request.

12 The General Manager of Southeastern District, Jim
13 Broderick, talked about the Preferred Storage Options
14 Plan.

15 I'll offer a few more words there from
16 Reclamation's perspective. As Jim indicated, it
17 was once again before the Congress this year, but
18 it was not enacted into law. Reclamation would
19 play a pivotal role if PSOP legislation is passed
20 in that we would have primary responsibility for
21 completing the feasibility study for enlarging
22 Pueblo and Turquoise Reservoirs.

23 The legislation would also authorize the
24 Secretary, through Reclamation, to enter into excess
25 capacity contracts and it would affirm the

0040

1 authority that we have already found does, in fact,
2 exist with the contract with the City of Aurora.

3 Other federal legislation before Congress
4 proposed various ways to move forward with the
5 design and construction of the Arkansas Valley
6 Conduit as Jim indicated. Senator Allard has
7 proposed the conduit be authorized as a WRDA
8 Bill which would in effect be a hand-off of the
9 project authority from Reclamation to the Corp of
10 Engineers if that were to occur. We would then
11 work with the Corps of Engineers for licensure of the
12 connection to Pueblo Reservoir.

13 Reclamation, since it remains an authorized
14 feature, but it's now been 41 years since the
15 project was authorized, our debt to the Congress
16 was a re-evaluation statement. What in affect that
17 does, is contemporize the information that was
18 taken into account when Congress authorized the
19 Arkansas River Conduit 40 years ago.

20 We have completed that evaluation statement
21 in draft and it is near ready for submission to the
22 Congress. As Jim indicated, the conduit would
23 convey water from Pueblo Reservoir, or near there,
24 to points along the Arkansas River corridor up to
25 and including Lamar. The recent interest is

0041

1 generated by the fact it is increasingly difficult
2 for these municipalities to meet Safe Drinking
3 Water Act standards. The quality of the water in
4 Pueblo Reservoir is much better.

5 That concludes my brief overview of issues
6 from Reclamation, I would be happy to try to answer
7 any questions.

8 MR. ROD KUCHARICH: Is there a cost
9 comparison between the pipeline and advanced
10 treatment?

11 MR. BRIAN PERSON: There is. There is.
12 Our re-evaluation statement will include a cost
13 estimate. The Southeastern District has contracted with
14 Black and Veatch to have that cost estimate and
15 also some independent work done, but generally
16 speaking, over the long term the cost estimates
17 suggest that the pipeline would be less costly in
18 the long term. Capital costs, of course, are
19 initially much greater but the payout comes over
20 the years. Two versions of the conduit are under
21 consideration: One, it would convey treated water,
22 and one would convey raw water for treatment at the
23 end point along the river.

24 MR. DAVID POPE: Brian can you shed a
25 little bit more light in terms of what the

0042

1 differences would be if the project is handed off
2 from the Bureau to the Corps; are there differences
3 in federal criteria, for example, or what would be
4 the reason, I guess, for doing that?

5 MR. BRIAN PERSON: Well, the primary
6 reason is one of the advocates within the Senate
7 for the project is Senator Allard and he sits on
8 the Environment and Public Works, I believe it is,
9 Committee, and would have some greater advantages
10 in moving the legislation as a Corps project than he
11 would as a Reclamation project. I believe that's
12 the driver. Due to the fact that we are talking
13 about a, generally speaking, a pipeline, and some
14 decisions would need to be made as to pipeline
15 materials, the exact alignment, whether it is
16 treated water or untreated water, once you get
17 beyond those, it is relatively straight forward and
18 it's going to serve the same cities, it is going to
19 serve those cities with roughly the same quantities
20 of water, so whether it remains a Reclamation
21 project and is constructed, or whether it becomes a
22 WRDA Bill project and is constructed by the
23 Corps, I don't see a great deal of difference. Of
24 course, there's an difference to Reclamation, but
25 in the end outcome, I don't think the difference

0043

1 would be great.

2 MR. DAVID POPE: I guess I didn't quite
3 understand what was being considered in the way of
4 an additional contract with Southeastern, called it
5 a master contract or something.

6 MR. BRIAN PERSON: Yes.

7 MR. DAVID POPE: How would that compare
8 to the, say the Aurora contract that we are looking
9 at or proposing with the existing contracts with
10 Southeastern that are --

11 MR. BRIAN PERSON: The master contract,
12 the way that would work, there are a number of
13 small entities that may not have the financial
14 resources to pursue a contract with Reclamation
15 directly, but if they were to join forces with
16 other smaller entities, they could, they could pool
17 their resources and they would have Southeastern
18 District basically serve as their agent in
19 contracting with Reclamation, so our contract would
20 be with Southeastern's master contract and then the
21 smaller entities would be able to store, convey or
22 exchange non-project water within that master
23 contract.

24 MR. DAVID POPE: It would still be sort of
25 an excess capacity type contract?

0044

1 MR. BRIAN PERSON: Yes.

2 Mr. DAVID POPE: So you would have
3 potentially that one plus Aurora. Are there others
4 that would be potential --

5 MR. BRIAN PERSON: As a contract request
6 is included with this Southern Delivery System
7 with Colorado Springs, there is. These are all
8 non-project water subject to the availability of
9 space within the project facilities and by virtue
10 of the repayment contract by virtue of the
11 authorizing legislation for the project and various
12 other provisions, they cannot compromise the
13 project interests, either water deliveries or power
14 generation if non-project water is allowed to
15 piggyback on the system. Our Commissioner has
16 indicated a number of times that this is general
17 philosophy that fits within Reclamation's general
18 authorities and that is that these facilities were
19 constructed, yes there is a repayment component by
20 the direct beneficiaries, but the general public has
21 largely paid for the cost of these projects and
22 that the general public should be able to derive as
23 much benefit as they can from these existing
24 projects as long as it doesn't come as a compromise
25 to the initial beneficiaries. That greater use of

0045

1 existing facilities, in some cases, could alleviate
2 the need for construction of private facilities and
3 the attendant environmental consequences there. So
4 the infrastructure is in place, let's make the
5 greatest use of it that we can. These services do
6 not come at no cost, there is a cost for the use of
7 these services that helps in terms of repayment
8 back to the Federal Treasury. It fits within the
9 provisions of the law, if it fits within the
10 provisions of the law including NEPA and doesn't
11 harm project beneficiaries, it's been our approach
12 to at least look at them.

13 MR. DAVID POPE: Where do those three
14 contracts stand in the NEPA process?

15 MR. BRIAN PERSON: In terms of the SDS
16 the Environmental Impact Statement is under way as
17 a 2005 draft EIS for public review, I can't remember
18 the month, July or so, of 2005, I believe. The
19 Environmental Assessment for the Aurora contract is
20 well under way. The NEPA compliance for the master
21 contract with Southeastern has not yet been
22 initiated because we are still in discussions with
23 Southeastern as to just how that might work. I
24 should emphasize once again, I talked briefly about
25 Reclamation's role if the PSOP legislation is

0046

1 passed, but if it's passed in its present form it
2 authorizes a feasibility study only, and I should
3 again emphasize that if feasibility is found to
4 exist and if the Congress should authorize, if the
5 Congress should consider authorizing a construction
6 crew, it would take a separate and distinct act of
7 Congress. Authorizing a feasibility study does not
8 authorize construction to occur.

9 MR. DAVID POPE: Okay. Thank you.

10 CHAIRMAN JENISON: Other questions?

11 MR. STEVE MILLER: Can these NEPA
12 processes be tracked on your website? I know
13 Southern Delivery has its own.

14 MR. BRIAN PERSON: SDS can be. The Aurora
15 EA, I don't believe is available, available through
16 the web but once the draft EA is, the EA is available
17 and out, you're, of course, welcome to it and to
18 submit any comments you wish.

19 MR. STEVE MILLER: We should contact you
20 directly rather than search on the website?

21 MR. BRIAN PERSON: Yes. The SDS, you can
22 track their progress on the web. The EA of Aurora
23 contact us, and whatever NEPA compliance there is
24 with the master contract, please contact us on that
25 as well.

0047

1 MR. MARK RUDE: Brian, Mark Rude. You
2 mentioned that you do these assessments for these
3 contracts for consistency with law, existing law.
4 Does that include the Compact, the law establishing the
5 Compact Administration?

6 MR. BRIAN PERSON: NEPA compliance is
7 requirement for any major federal action that is
8 discretionary, that is, where the federal
9 government is going to make a decision. NEPA
10 compliance, if it's an appropriate case that could
11 have Compact implications, yes, Compact
12 implications would be considered. I'm not going to
13 say -- it varies, Mark, I'm not going to say in all
14 cases that that is directly part of NEPA but
15 Compact considerations would be taken into account
16 in the Compact Administration.

17 MR. MARK RUDE: Do you have any sense
18 whether that's the case with these contracts that
19 have been --

20 MR. BRIAN PERSON: I do not. For the
21 most part these are non-project water rights. If
22 the water is not conveyed through Reclamation
23 facilities, they'll be conveyed through other means
24 eventually, so it's an "if" or "or".

25 MR. MARK RUDE: Thanks.

0048

1 CHAIRMAN JENISON: Thank you, Brian.

2 MR. BRIAN PERSON: Thank you.

3 CHAIRMAN JENISON: We are ready for the
4 report of the Operations Committee and I think to
5 do that I'll just turn that over to Dave Brenn, he
6 can take us through that, Dave, however you want
7 to. You're the Operations Committee Chairman.

8 MR. DAVID BRENN: Steve Witte will give
9 the Operations Secretary Report followed by Mark
10 Rude for the AOS Report. Steve Witte.

11 MR. STEVE WITTE: Good morning,
12 Mr. Chairman. Members of the Administration and
13 members of the audience. If I may, I would like to
14 take just a moment and introduce a late arrival.
15 With us today is Mr. Bill Howland and his wife
16 Elsie. Bill was an employee of the Colorado
17 Division of Water Resources for many years. He was
18 the de facto Operations Secretary from 1980 until
19 1990-- when did you retire Bill?

20 MR. BILL HOWLAND: 2000.

21 MR. STEVE WITTE: So not that long ago.
22 First meeting Bill has been in attendance for a
23 number of years and we are very pleased to have him
24 with us today.

25 Yesterday at the Operations Committee meeting

0049

1 there were two reports presented. There was a
2 report concerning the operations of John Martin
3 Reservoir for Compact Year 2004, as well as a
4 report of the Colorado State Engineer concerning
5 the accounting of the operations of an offset
6 account in John Martin Reservoir for Colorado
7 pumping 2004. And I would be glad to make copies
8 available to the reporter, if needed, for a part of
9 the record and I do think we do have a couple extra
10 copies that are available should members of the
11 audience covet a copy of their very own.

12 MR. STEVE MILLER: Can I address that for
13 just one quick second? In reviewing the minutes
14 that we discussed last night, a couple of times
15 statements like that were made and then it leaves
16 the uncertainty whether those two volumes need to
17 be attached to the minutes and I would hope that
18 somewhere along the process here you decide they do
19 not need to be attached. They need to be on file
20 at the ARCA office and with the states and maybe
21 you would put the cover of the report as part of
22 the minutes just to show what we were talking about.
23 But in case we get a request for minutes we don't
24 want to have to furnish an additional five hundred
25 pages every time we furnish minutes. So hopefully,

0050

1 you will tender them in the record but not make
2 them a part of the record. That would be a
3 suggestion.

4 MR. LEE ROLFS: I'm Lee Rolfs. Yes, I
5 agree. That's been our standard procedure in the
6 past that we do not attach those reports to
7 the transcript as part of it.

8 MR. STEVE WITTE: Thank you both. For
9 the benefit of those who were not able to attend
10 the Operations Committee yesterday, I'll briefly
11 review the operations of John Martin Reservoir that
12 were conducted during Compact Year 2004. We began
13 the compact year with the total storage in all
14 accounts of 19,250 acre-feet approximately. During
15 the period of winter storage from November 1 to
16 April 5, a total of 9,277 acre-feet were stored and
17 subsequently distributed in accordance with Section
18 2 of the 1980 Operating Plan.

19 Beginning on November 16 of 2003, pursuant to
20 Section 3 of the 1980 Operating Plan, there was
21 storage of certain other waters that were
22 accredited to a winter water account. Storage into
23 the winter water account continued through March 14
24 of 2004 when the distribution of 13,441 acre-feet
25 was made pursuant to Section 3D of the plan. That

0051

1 included a transfer of 721 acre-feet of water into
2 the transit loss account to complete the fill of
3 that transit loss account up to the prescribed
4 level of 1,700 acre-feet and 3,983 acre-feet were
5 transferred into Section 2 accounts. Again, for the period November
6 1, 2003 to April 1, 2003 conservation storage accumulated
7 about 8,882 acre-feet.

8 As an aside, I would want to let folks know
9.....that conservation storage in John Martin
10 Reservoir this year, the prospects look
11 quite a bit brighter than they did at this time
12 last year. Up through November 30 the total of
13 4,650 acre-feet has been stored in conservation
14 storage, which is slightly greater than the 1950 to
15 1975 average. So things are looking a little
16 better on that score.

17 Kansas placed a call for release of offset
18 account water and Section 2 water beginning on
19 March 26, 2004. Those releases continued through
20 April 11 of 2004 with a total of 10,407 acre-feet
21 initially released from the offset account followed
22 by release of 8,561 acre-feet of Kansas Section 2
23 water. The Kansas Water Commissioner and I have
24 been unable to reach agreement concerning a
25 methodology for determining what the transit losses,

0052

1 or deliveries 2002 of Section 2 releases have been
2 and so that number has yet to be quantified,
3 although there are a couple of proposals that are
4 being considered and continue to be considered at
5 the present time.

6 In 2004 there were three summer storage
7 events. The first being the month of July between
8 the 24th and the 26th. That was actually almost to
9 the day, three years since the last summer storage
10 opportunity in John Martin Reservoir. The two
11 other events occurred in the second half of August
12 totaling 15,426 acre-feet, and during the last
13 conservation storage event there was also a
14 determination that the Amity Canal Company was
15 entitled to store 1,125 acre-feet in its Section 3
16 account. Also, concurrent with that, there was a
17 delivery of water that had been determined to have
18 originated in the Colorado River Basin to the
19 permanent pool in John Martin Reservoir. A release
20 of some 2,000 acre-feet was initially made from
21 Twin Lakes and subsequently 1,040 acre-feet were
22 delivered into the Permanent Recreation Pool
23 suffering transit losses of approximately 50
24 percent.

25 At the end of the Compact Year, October 31,

0053

1 2004, the sum total balance in all accounts was
2 16,632 acre-feet.

3 A detailed report was given yesterday
4 concerning the operations of the offset account and
5 I won't repeat those remarks here today unless
6 there are some questions in that regard.

7 Also yesterday at the Operations Committee, I
8 complimented the Committee for their efforts to
9 begin to come to understand some of the issues in
10 working towards resolving some of the issues that
11 have been raised to the Administration by the
12 Assistant Operations Secretary since about 1998.
13 The committee met twice during Compact Year 2004.
14 Once in Lamar and once following the tour that
15 Mr. Jennison commented on earlier. That meeting
16 being held in Garden City. And the Committee
17 adopted a set of a joint process that had been
18 developed for the purpose of addressing interstate
19 administrative issues. Protocol, really, to be
20 followed in identifying issues and bringing them to
21 the Committee and then ultimately to the
22 Administration. Additionally, there were several
23 staff level meetings that occurred in the interim.
24 And most recent being one held just December 3 of
25 this month here in Lamar.

0054

1 Finally, in closing my report, I wanted to
2 comment on the presentation provided by
3 Mr. Livingston before the Operations Committee
4 yesterday. Mr. Livingston outlined some
5 hydrological reasons why we believe that there's a,
6 it is necessary to investigate an improved method
7 of determining transit losses on releases from John
8 Martin to the Kansas State-line. I think it's my
9 opinion that the, there is a definite need to try
10 to improve the methodology that, over that which is
11 prescribed in the stipulation that was entered into
12 between Colorado and Kansas regarding
13 determinations of transit losses on releases from
14 the offset account, and I would like to distribute
15 copies of the stipulation to members of the
16 Administration. Directing their attention to those
17 provisions found on page five, paragraph three,
18 where the states pledge their cooperation in
19 working with one another and with appropriate
20 agencies to develop improved methods of determining
21 transit losses. I just can't express strongly
22 enough that I feel like this is an important step
23 to resolve controversy and suspicion regarding this
24 methodology that we are currently using for
25 purposes of assessing transit loss and I would

0055

1 encourage it Administration to move as hastily as
2 is warranted in finding a way to authorize the
3 conduct of a study such as that proposed by
4 Mr. Livingston.

5 I think that concludes my report. I would be
6 glad to try to answer any questions.

7 MR. DAVID BRENN: Are there any questions?
8 Thank you, Steve.

9 MR. STEVE WITTE: Thank you.

10 MR. DAVID BRENN: Mark Rude.

11 MR. MARK RUDE: Good morning, again,
12 Mr. Chairman; members of the Administration and
13 others here today. My name is Mark Rude. I'm
14 Assistant Operations Secretary for the
15 Administration. Assisting Steve in the operations
16 responsibilities and in our review of operations
17 and consistency with the Resolutions and the
18 guiding provisions of the Administration in daily
19 operations.

20 The report I've put together we reviewed last
21 evening. I do have some extra copies. I handed
22 out a number to those in attendance yesterday but
23 there are a few more copies available if someone
24 would like a copy.

25 I believe what I'll do today is I'll just

0056

1 touch on a couple of points of this report. This
2 report, general terms, is meant to review a few
3 operational issues that are longstanding. Also, to
4 provide kudos where appropriate for the
5 Administration, particularly the Operations
6 Committee and their efforts to continue to work
7 with Steve and myself and our staffs and towards
8 resolution on the issues that have been identified.
9 A more exhaustive list of the issues can be found
10 in that working document that we have between the
11 two states. I think we refer to it as the matrix
12 of issues. That document is, as I said, a working
13 draft to help us in this process of finding
14 resolution to each of those issues. This report
15 touches on a few of those and highlights the Kansas
16 run. Kansas called for water early in the season,
17 this last summer. In hindsight or at the time
18 looking at the problems we faced in 2003 of dry
19 river conditions, in fact, Kansas didn't call for
20 any water at all in 2003 for fear of not having
21 much success in getting that delivery made to
22 Kansas. Certainly, the Division 2 engineer had
23 noted very unfavorable river conditions and, in
24 fact, communicated that to Kansas just before
25 Kansas called for water at this one run early in

0057

1 2004. The one run was comprised of two different
2 types of water. There are two different
3 characteristics. The water first was released from
4 the offset account and that is measured differently
5 at the stateline. Then the other release of water
6 which was Kansas Section 2, that's reviewed in this
7 report and a hydrograph for illustrative purposes
8 are provided on page 4. We continue to work
9 together, I think, to try to find a mutually
10 agreeable method for the measurement of Section 2
11 water at the stateline, and I certainly echo the
12 comments made by the Operations Secretary that we
13 need to continue to look at better methods to
14 predict the transit losses and to improve the tools
15 we have available to make these wet water
16 operations to the water users that depend on the
17 Administration and the water supply. As long as we
18 can do it in a manner that doesn't generate new
19 controversy. And I think that's an important thing
20 to keep in mind as we look to new tools, developing
21 new tools.

22 One thing I specifically want to mention is at
23 the bottom of page 5 where I provide a little
24 discussion on some concern that persists from the
25 operations in Compact Year 2002. At the bottom of

0058

1 the page I make reference to the lack of
2 information provided by the Operations Secretary on
3 how he calculated the transit losses that year, and
4 certainly yesterday evening Steve assisted me and
5 the Administration by providing another copy of a
6 letter that he had provided back in March of that
7 year which he provided some numbers to that effect.
8 Certainly, I think the concern still persists that
9 whether the number he arrived at was correct.
10 Obviously, where the '80 Operating Plan requires
11 agreement between the two states on any transit
12 loss. That determination of transit loss to be
13 consistent with the Administration's agreement or
14 resolution. There needs to be that agreement
15 before we can continue the operation or make the
16 determination of what the transit losses were. So
17 that certainly puts some urgency to the two states
18 finding agreement on how to determine transit
19 losses to the stateline for Section 2 deliveries.

20 I think that concludes my comments at this
21 time.

22 MR. DAVID BRENN: Any questions for
23 Mr. Rude?

24 MR. DAVID POPE: Mr. Chairman, I don't
25 know that I have a question but I, just briefly a

0059

1 comment directed at reports from both the
2 Operations Secretary and the Assistant Operations
3 Secretary. I think we need to recognize that these
4 gentlemen have both worked hard this year, as has
5 the Committee. I appreciate those efforts and hope
6 this progress is being made and that can lead to
7 more progress as far as how to resolve these very
8 difficult issues. We know there still are those
9 that have not been resolved.

10 MR. DAVID BRENN: Mr. Chairman, the
11 Operations Committee met yesterday,
12 yesterday afternoon. It got to be quite a
13 meeting, but sometimes it takes considerable effort
14 to go through these issues.

15 Couple of things that I would like to touch on
16 again, and Mr. Pope indicated the work of both
17 states and I'll echo that again, although there's a
18 lot yet to be done on a lot of these issues. I
19 think both states will agree that the process
20 alone, the protocol has made some resolve on some
21 issues. We have to remember that this whole
22 process was really, began after the Compact meeting
23 last year. And the development of the matrix as a
24 mutual tool for both states to track issues, to
25 keep the Operations Committee informed, has been a

0060

1 significant part of that. But probably more
2 significant than that, is the document the joint
3 recommendation of the Operations and Assistant
4 Operations Secretary that's included in Mr. Witte's
5 report, annual report for 2004 towards the back of
6 the red tab area, that document in a very short,
7 but specific four or five pages, sets forth a
8 process for both states to discipline themselves
9 to, to avoid some of the conflicts that would occur
10 during a Compact Year or otherwise. And that
11 document was signed by both representatives of both
12 states in February of last year. One question I
13 have of the Administration is that although this
14 document is included in the Operation Secretary's
15 Report, we have not been approving those reports to
16 the record. We have been receiving those reports
17 as an Operations Committee, but delaying on final
18 approval. And I just raised this question at this
19 point. If it should be a consideration for ARCA to
20 recognize this document as a matter of record of
21 joint recommendations.

22 CHAIRMAN JENISON: I think what we did
23 last year, somebody correct me, is when we adopted
24 your report, your report was that you received the
25 documents so when we adopted your report we, in

0061

1 essence --

2 MR. DAVID BRENN: (Interrupting) adopted
3 that.

4 CHAIRMAN JENISON: -- adopted your
5 recommendations, that ARCA just receive your
6 report. That was my recollection of last year.

7 MR. DAVID BRENN: But in regards to this
8 specific document that is included in the
9 Operations Secretary Report, I would like the
10 Commission to entertain applying that to the record
11 to institutionalize it separate and distinct.

12 CHAIRMAN JENISON: I think a motion to
13 that effect would be in order. We can do it, we
14 can do it right now if you would like to do that.

15 MR. DAVID BRENN: I would like to. I
16 would make a motion that we include that document
17 to the record.

18 MR. ROD KUCHARICH: We are okay with it.

19 MR. DAVID POPE: Let me make sure I
20 understand this and I think this is a good idea but
21 in essence, we take the printed document that is
22 the August 19 letter that is signed by two members
23 of the Operations Committee and it has these joint
24 recommendations of the Operations and Assistant
25 Operations Secretaries, that is the document you're

0062

1 referring to, I would think what you would be doing
2 is basically tendering that, just that document as
3 a part of the Operations Committee Report and then
4 that can be made part of this record attached to
5 the minutes; is that what we are saying?

6 CHAIRMAN JENISON: Is that what you're
7 suggesting?

8 MR. DAVID BRENN: Either way.

9 MR. MARK RUDE: The documents in both
10 reports --

11 MR. DAVID POPE: Documents are in both
12 reports or maybe just referring to it by the name.
13 I think it's part of your report and I think you're
14 just asking for some --

15 CHAIRMAN JENISON: Dave, is your
16 attention to focus more to, I guess, approve that
17 document rather than just accept that document, is
18 that your intention to have the Administration
19 approve that specific document?

20 MR. DAVID BRENN: Yes, and in the view
21 that both states have agreed upon it fundamentally.
22 I think it's well within the parameters of the
23 states to institutionalize it. The Operations
24 Committee have been changed over time but feel this
25 basic foundation be institutionalized within the

0063

1 ARCA or recognized within that.

2 CHAIRMAN JENISON: Do you have a problem
3 approving that as a document accepted by ARCA.

4 MR. DAVID POPE: I don't think so.

5 MR. ROD KUCHARICH: No, I don't have a
6 problem, no.

7 CHAIRMAN JENISON: That is kind of the
8 way I understood your motion, Jim, is that the way
9 you understood it when you seconded it?

10 MR. JIM ROGERS: Yes.

11 CHAIRMAN JENISON: Just a second. Steve,
12 do you have a question?

13 MR. STEVE MILLER: Before you vote, it
14 might be helpful to publish it in the Annual Report
15 this year also so it gets a little wider
16 distribution then in the minutes.

17 CHAIRMAN JENISON: I have an interest in
18 the Annual Report, we'll make a note of that,
19 instruct them to do that. Colorado?

20 COLORADO DELEGATION: Aye.

21 CHAIRMAN JENISON: Motion carries. Go
22 ahead, David.

23 MR. DAVID BRENN: Thank you very much.
24 I'll move right on to kind of summarize all of the
25 items under B except for perhaps item five with the

0064

1 action items of the Operations Committee. There
2 are nine of these action items.

3 Number one, Steve Miller and Kevin Salter were
4 designated to develop a written summary for the
5 December 13 Committee meeting. A draft summary
6 should be submitted to the Operations Committee by
7 January 14, 05.

8 Item two, an updated water issues matrix will
9 be available at the April Operations Committee
10 Meeting.

11 Item three. Both states need to work together
12 on a method to measure Offset Account deliveries by
13 either the method proposed by Steve Witte and Bill
14 Tyner yesterday or another method. The states
15 should be prepared to make a report at the April
16 Operations Committee meeting as to the progress on
17 that.

18 Item four, the Operations Committee recommends
19 that the Engineering Committee should be assigned
20 the Transit Loss Study issue. It further
21 recommends both states should work together to
22 define the methodology approach, dynamics and
23 process. Both states need to provide input so that
24 the results of any studies are not disputed.

25 Item five, commencement of a spill event,

0065

1 which is issue 50, and spilling of accounts, issue
2 51, and adjustment of John Martin Reservoir
3 inflows, issue 53, these issues are referred to
4 ARCA for further direction to resolve them.

5 Item six, in regards to Winter Water Account
6 of Convenience, issue 20, in timely distribution of
7 Section 3 Storage Charge, issue 21, Operations
8 Committee recognizes that the Operations Secretary
9 needs flexibility and suggests the following: The
10 water delivered under the Pueblo Winter Water
11 Storage Program be immediately charged 35 percent.
12 However, water distributed to Colorado Section 2
13 may be held in its subaccount to be distributed
14 between individual Colorado Section 2 Accounts on
15 March 15, the end of the Pueblo Winter Water
16 Storage Program. Operations Committee would like
17 to states to develop language to develop and to
18 implement these suggestions.

19 Item seven, interruption of releases from
20 Conservation Storage to accounts during summer
21 period that is issue 42, and on November 1, issue
22 43. For these issues, both states need to look at
23 these potential interruptions and develop language
24 for compromise to be reviewed at the April meeting
25 of the Operations Committee.

0066

1 Item 8, the Operations Committee confirm that
2 they did move two issues to the Administrative and
3 Legal Committees, those being Upstream Storage at
4 flood flows. Issue 52, and Agreement B which is
5 issue 60, no further action of the Operations
6 Committee is required.

7 And finally, item nine, the Operation
8 Committee will meet in April to follow up on any of
9 these action items.

10 That concludes the Committee Report.

11 CHAIRMAN JENISON: Do you want to move
12 adoption of that Operations Committee Report?

13 MR. DAVID BRENN: Yes, I'll so move.

14 CHAIRMAN JENISON: Second?

15 MR. JIM ROGERS: Second.

16 CHAIRMAN JENISON: Discussion? Now my
17 view is by adopting that Committee Report the
18 Administration is adopting those action items that
19 are in there. Is that --

20 MR. ROD KUCHARICH: I don't know.

21 CHAIRMAN JENISON: Then we need to talk
22 about that.

23 MR. DAVID POPE: I guess I would
24 probably --

25 CHAIRMAN JENISON: Pull those out.

0067

1 MR. DAVID POPE: I guess I was assuming
2 some of those are actions the Committee itself
3 would take, for example, recommendations to write
4 up details of some of the, how to deal with those
5 items.

6 CHAIRMAN JENISON: That way we can adopt
7 the Committee Report, then we can go back through
8 each one of those items individually then.

9 MR. ROD KUCHARICH: The list that David
10 was reading from I haven't seen so --

11 CHAIRMAN JENISON: I haven't either.

12 MR. ROD KUCHARICH: It would be nice to
13 review that. There were a couple of things that
14 were identified there. One was the Transit Loss
15 Study and then the other was the spill event that I
16 think I would like to make some comments on at this
17 time. The Transit Loss Study, we heard a
18 recommendation from Russ Livingston to do a, to do
19 such a study. We have, as part of Administrative
20 Legal Committee Report budget options to do that.
21 I guess my feeling is that a decision to get under
22 way in a proper manner should be made probably by
23 mid-July on something like this. The issue of the
24 Transit Loss Study was brought up in August. The
25 proposal was vetted the first of November. This

0068

1 would give both states a good six months total to
2 review and decide on whether or not they want to
3 proceed with the Transit Loss Study. The spill
4 event issues, I think these were 50, 51 and 53.
5 You know, if the states can't reach agreement on
6 accounting for these spill events, maybe what we
7 need to do is to have an impartial third party make
8 some recommendations for us to follow. And in that
9 regard, I think that we've got a retiring Corps of
10 Engineers employee, Dick Kreiner, in briefly
11 discussing this, I don't want to say it's
12 pre-determined, but the Corps is considering making
13 some of his time available to make recommendations
14 to the Compact Administration on this and that
15 might be something that we could take under
16 consideration. I mean, these are both attempts to
17 get, to move the ball forward a little bit.

18 CHAIRMAN JENISON: David, could we get a
19 copy of the nine action items? Does anybody have
20 that? Why don't we take a short break and we'll
21 distribute that to the Commissioners. My thought,
22 but it makes me no difference. We can adopt the
23 report then we can go through each one of those
24 action items, but my thought was to adopt their
25 report. We've got that, we actually have that

0069

1 motion. Now before we would be open to a
2 substitute report like Rod to do something
3 different with 51, 52, the items that you wanted,
4 but we can, if it's easier for you all, we can just
5 adopt the report then we will just consider that
6 we've just kind of received your report then we can
7 go through each one of those action items
8 individually and dispose of them. That is fine
9 with me as well.

10 MR. DAVID BRENN: Suggestions to
11 recommendations to staff, a referral to on these
12 issues that you're mentioning to full ARCA you
13 know, that's basically our action is to defer it on
14 the spill issues or Agreement "B" those kinds of
15 things are not Agreement "B" but, yeah, the Agreement
16 "B" and some of those. This document is mainly a
17 dynamics for us to give guidance to the staff on
18 their activities between now and our April, our
19 April meeting.

20 MR. ROD KUCHARICH: If we could review
21 those.

22 CHAIRMAN JENISON: Yeah, why don't we
23 take a -- Kevin, do you think you can get those in
24 a few minutes?

25 MR. KEVIN SALTER: Do you know how many

0070

1 copies we need?

2 CHAIRMAN JENISON: Why don't we take a 10
3 minute break and we'll decide how we want to
4 dispose of that Committee Report.

5 (Whereupon, a short recess was taken,
6 after which the following proceedings
7 were had:)

8 CHAIRMAN JENISON: We'll call the meeting
9 back to order.

10 When we recessed, we had a motion to adopt the
11 Operations Committee Report and a second. There
12 was some concern about what some of those
13 provisions were, and we have written copies now.
14 Commissioners have had an opportunity to look over
15 those. Is there any discussion on the motion?

16 MR. ROD KUCHARICH: Yeah, Mr. Chairman.
17 On the, on item five, the spill accounts, I guess I
18 would like to kind of resurface what I had
19 mentioned earlier. There may be a way to get an
20 impartial recommendation from a Corps employee for
21 ARCA to consider. The employee is Dick Kreiner,
22 and he is retiring at the end of December. The
23 Corps is graciously offered to consider making his
24 expertise available for a recommendation that ARCA
25 could receive at some point in the future, and I

0071

1 would just hope that the, that ARCA and the
2 respective committees would be interested in taking
3 that as a recommendation to try to get both sides
4 to move from their positions.

5 CHAIRMAN JENISON: Would you like to
6 amend item five to include that as a suggestion or
7 do you want to admonish --

8 MR. ROD KUCHARICH: Sure, I would. It
9 would be to refer to ARCA for appropriate steps to
10 refer to -- refer to ARCA -- how would we say that?

11 MR. DAVID POPE: I wonder, Rod, obviously
12 you are free to make the proposal, I just wonder
13 for purposes of this report, it says it is
14 referring it to ARCA for appropriate next step. I
15 think what you're talking about is the next step.

16 MR. ROD KUCHARICH: You are right. I
17 think we can leave it as it is.

18 MR. DAVID POPE: I think it would be fine
19 to talk about that. I mean, it is kind of catching
20 us a little bit cold so I think there is a merit
21 that --

22 MR. ROD KUCHARICH: That surfaced at
23 breakfast this morning to try to deal with this. I
24 know we were kind of admonishing both sides in
25 trying to get some progress on it.

0072

1 LTC TODD WANG: Dick is retiring
2 3, January. He does have time that we could supply
3 about 40 hours of his time prior to his retirement
4 for this matter. We have just have been in
5 conversation with many by phone. But after the 3rd
6 of January he's then a citizen and you know, and
7 I'm not for sure.

8 MR. ROD KUCHARICH: He's not subject to
9 being recalled, is he?

10 LTC TODD WANG: I fall under those
11 rules but after he's --

12 CHAIRMAN JENISON: Colonel, what you're
13 saying is the timeliness of that is affected.

14 LTC TODD WANG: It could be. I
15 mean, after the 3rd, it would probably be a
16 contractual relationship between ARCA and Dick.

17 MR. ROD KUCHARICH: If he could give us
18 some recommendations in letter form on these three
19 issues using that time that you're willing to make
20 available, I think it would be desirable for us to
21 take that under consideration so I think that's the
22 appropriate next step and to receive those
23 recommendations, have both sides look at what they
24 would be. Might be able to give us an leg up in
25 resolving this kind of issue.

0073

1 MR. DAVID POPE: Are you basically, Rod,
2 suggesting that we take the materials that have
3 thus far been developed related to this issue and
4 sort of scope out what it is we want him to look
5 at? I mean, the issues have been somewhat defined
6 I think as they are.

7 MR. ROD KUCHARICH: They are 50, 51 and
8 53.

9 MR. DAVID POPE: I guess what I would
10 like to do is move forward with this and then if we
11 could scope that out, and it sounds to me like what
12 the Corps is offering is a week's worth of Dick's
13 time between now and 3 January, essentially would
14 be at no cost to ARCA that way. After 3, January,
15 we are on our own with Dick, I guess, but it might
16 be worth having him at least look at this issue
17 tentatively and then bring us back his assessment
18 and recommendations. I guess then we still take it
19 up and look at it at this point in time and see
20 where we go from there.

21 MR. ROD KUCHARICH: Sure. That is --
22 nothing more. Exactly. But I do think five can
23 stay as is. Taking into consideration the
24 discussion we had. And then --

25 MR. DAVID POPE: Yeah. I think what we

0074

1 ought to do is leave five as it is and leave it as
2 a separate action right after we get done and at
3 the appropriate time we haven't really had a chance
4 to confer on that on the Kansas side of the line
5 but I think yet today we could do something with
6 that I think.

7 MR. ROD KUCHARICH: Sure.

8 CHAIRMAN JENISON: Did you have another
9 issue, Rod?

10 MR. ROD KUCHARICH: There was the Transit
11 Loss Study.

12 MR. LEE ROLFS: That is number four.

13 MR. ROD KUCHARICH: And I'm wondering how
14 we make the decision. I think in process, if we
15 were to go with the Livingston Proposal, there was
16 a request to get under way before, as I understood
17 it, before diversions started in the spring and
18 that may be late March, some data gathering on the
19 ground, in probably February, and I believe that
20 the programmed funds in the proposed budgets were
21 sixty-five hundred dollars between now and the
22 first of July and then the balance, 50,000 from
23 July through the remaining study period. I'm
24 wondering how we would do this in light of David's
25 suggestion that the Operations Committee would meet

0075

1 in April.

2 MR. DAVID POPE: I guess if I could
3 comment on this again. It's another one of these
4 where we, was kind of a follow-up action needed
5 here after we've accepted this report, but here's, I can
6 let you know my thinking on that right now if that
7 would be helpful, and in essence, since yesterday,
8 and hearing the Operations Committee discussion on
9 this, we have talked about it some on our side and
10 we think there is a way potentially to proceed. I
11 visited briefly with Tom this morning before the
12 meeting and a little bit with Russ, we didn't have very
13 much time, but I think we could take some action
14 this meeting. It would be a subsequent action
15 here, but the idea would be to, I know this refers
16 to the Engineering Committee, again that's why I
17 talked to Tom and Russ a little bit. I think we
18 believe if ARCA was willing to do one or two
19 things, either allow the Engineering Committee to
20 move forward with this under certain circumstances,
21 that would be one way to approach that, the other
22 way would be to have the Engineering Committee go
23 out and assess it and figure out some things I want
24 to mention here in a minute, and then you know we
25 would have conference call or how ever you want to

0076

1 do it through ARCA, there's a couple of different
2 ways to do it, how ever you want to do it given the
3 interrelationship with the budget that we need to
4 act on later today. One thought would be to ask
5 ARCA to authorize the Engineering Committee to look
6 at these items that is covered here in item number
7 four, and I was going to basically say sort of
8 refine the scope, or better refine the scope of how
9 this would be done and sort out involvement of the
10 states, there was some discussion about that. We
11 need to pin that down a little bit more in terms of
12 our input and involvement. And essentially, make
13 sure we are clear on how this study would be used.
14 How does it relate to our ability to operate so
15 that we are really moving forward to resolve the
16 issues and certainly one piece of that is better
17 data, better understanding of transit losses, but
18 we also need to know how that would be used. I
19 think that's possible to do, Rod, and I'm willing
20 to work with Tom and with our staff for both states
21 to figure out a methodology to get this thing
22 started. But I think we need to clarify some of
23 these items so we don't just say yes to the
24 proposal without knowing.

25 MR. ROD KUCHARICH: No, I understand. I'm

0077

1 not pushing that.

2 MR. DAVID POPE: And in anticipation of
3 that, assuming we can get that resolved we can go
4 ahead and budget the money, and within this next,
5 I'm going to say, I don't know, you mentioned July
6 a minute ago, I think maybe even sooner than that,
7 by spring or something, we could have guidance to
8 Russ at that point, give him the go ahead and, like
9 I say, sort of a revised proposal, or maybe it's
10 just scope of how this could be done so, I guess
11 I'm, you know, we were wondering if we could move
12 that fast but I think maybe we can, if that would
13 fit with what I think I hear you suggesting why we,
14 we just want to make sure we know how in all fits
15 together so it's not a wasted effort. I'm sure the
16 study in itself would be good one way or the other.
17 I want to make sure how this is going to be --

18 CHAIRMAN JENISON: David, your suggestion
19 is that maybe we deal with that when we deal with
20 the budget, what you're suggesting is a release
21 mechanism for that month?

22 MR. DAVID POPE: I think that's right.

23 MR. ROD KUCHARICH: And that would be a
24 special telephonic meeting of the Board to modify
25 the budget or something.

0078

1 CHAIRMAN JENISON: Or the Administration
2 could, if I hear David right, give the Engineering
3 Committee the authority to do that --
4 (unintelligible).

5 MR. ROD KUCHARICH: If we would adopt a
6 budget today sufficient to do that.

7 MR. DAVID POPE: We would -- my proposal
8 would be to adopt the budget sufficient to do that
9 and authorize the release mechanism. What I was, I
10 guess assuming, was that we would take that up, get
11 the Engineering Committee to work that remaining
12 items out and then it would be authorized to give
13 clearance for the start. That gives us -- because
14 this is kind of a technical matter that let's that
15 be dealt with.

16 MR. ROD KUCHARICH: I agree.

17 CHAIRMAN JENISON: And we have that
18 flexibility with four as it is.

19 MR. DAVID POPE: I would suggest we go
20 ahead with four as it is and we would anticipate in
21 a subsequent action here later today this
22 additional direction, and we just have to make sure
23 we can define that properly.

24 CHAIRMAN JENISON: Any other discussion
25 on the Operations Committee Report. If not, all in

0079

1 favor. Kansas.

2 MR. DAVID POPE: Aye.

3 CHAIRMAN JENISON: Colorado.

4 MR. ROD KUCHARICH: Aye.

5 CHAIRMAN JENISON: Motion carries. I
6 believe that takes care of -- Engineering. Tom.
7 You might need to get up to the podium so the
8 audience can hear you.

9 MR. TOM POINTON: Mr. Chairman,
10 Committee. My name is Tom Pointon. We almost
11 covered it right here. The items we discussed at
12 the committee yesterday were Permanent Pool
13 evaporation calculation. We haven't reached a
14 decision on that. We didn't have a request for a
15 water source from the reservoir so the Division
16 of Wildlife and Parks, we didn't discuss much of
17 that. The Purgatoire Water Conservancy District,
18 looks like their acreage verification system is
19 improving, so to speak. The technology is coming
20 by, it is kind of helping it along, it is okay.
21 And then we discussed the two gages off stream, off
22 channel gages on the Wildhorse and Big Sandy, and
23 we think that ought to be funded for another year.
24 And then we got this transit loss thing Operations
25 Committee handed to us and, and it is very

0080

1 difficult to, when you only meet once a year for
2 everybody be on the same page especially when you
3 are as old as I am, to try to remember a year ago.
4 We are working, well towards that and one of the
5 things we are considering is an Oversight Committee to
6 look at the methodology and to put this proposal
7 together and the Engineering Committee is going to
8 recommend that they put the funding in the budget
9 to support the Livingston Study as proposed with
10 some oversight. I don't know how soon we have to
11 get this done, but we sure want it to be a benefit
12 to both states and if we are going to do modeling
13 we have to have a lot of information and maybe the
14 study is justified, so I think we will work for
15 another year. Short time keeping communication,
16 you know, we are working from Topeka to Albuquerque
17 to Denver and back to Garden City up to John Martin
18 Reservoir. It is pretty hard to keep the
19 communication lines open when everybody has got so
20 many other things going on, so I guess that
21 concludes my report and we'll try our best to make
22 this study happen.

23 CHAIRMAN JENISON: Tom, in your report
24 the things that were action items that were the
25 continuation of gaging stations and then the

0081

1 supporting the Livingston Study with some
2 oversight?

3 MR. TOM POINTON: Those are the
4 recommendations from the Engineering Committee.

5 CHAIRMAN JENISON: So then I guess a
6 motion is in order to approve the Engineer
7 Committee Report.

8 MR. TOM POINTON: So moved.

9 MR. DAVID POPE: I think I would second
10 that. I guess I would like for us to take a
11 subsequent action on the study as we discussed
12 earlier. By the time we get to the budget
13 discussion, I think that's the point at which we
14 can really commit to that rather than at this point
15 in time with the whole budget cut.

16 CHAIRMAN JENISON: But what your
17 recommendation is consistent with what the
18 Operations Committee is recommending.

19 MR. DAVID POPE: Yes, that's right. I
20 guess my only other comment, Robin, Mr. Chairman,
21 would be, without going into great detail, on the,
22 we did talk a little bit about the Trinidad project
23 on the acreage verification system, it was
24 mentioned yesterday that there would be the
25 availability of some work done by the state of

0082

1 Colorado that would be, could include the Trinidad
2 project, but we also had some discussion at, that
3 does not replace the annual verification that is
4 included in the reporting and verification that is
5 included in the current newly adopted now Operating
6 Principles so just so there is not a
7 misunderstanding of that why, certainly taking
8 advantage of other State of Colorado for motion that is
9 available makes sense. Other than that, I don't
10 have anything other than that.

11 CHAIRMAN JENISON: Other discussion? If
12 not, on the motion to approve the Engineering
13 Committee Report, Kansas.

14 MR. DAVID POPE: Aye.

15 CHAIRMAN JENISON: Colorado.

16 MR. ROD KUCHARICH: Aye.

17 CHAIRMAN JENISON: Carried. Report of
18 Administrative and Legal. Randy Hayzlett.

19 MR. RANDY HAYZLETT: The Administrative
20 and Legal Committee did meet yesterday and we
21 received the Auditor's Report, discussed Recording
22 Secretary's position and replacing the current
23 Recording Secretary. We did acknowledge issues
24 that were given to Administrative and Legal
25 referred to us by the Operations Committee and

0083

1 determined a meeting maybe later in the year would
2 be pertinent and haven't set that date yet. Steve
3 Miller and Kevin Salter were designated to develop
4 a written summary for the 13th meeting yesterday,
5 and a draft written summary should be submitted to
6 the Operations Committee on the 14th. We proposed
7 the following slate of officers for the coming
8 year: Vice Chairman, David Pope; Recording
9 Secretary, Stephanie Gonzales; Treasurer, Jim
10 Rogers; Operations Secretary, Steve Witte;
11 Assistant Operations Secretary, Mark Rude. We
12 propose the following committee assignments for the
13 coming year: Engineering would be, David Pope,
14 Chair, and Tom Pointon, member. Operations
15 Committee will be Jim Rogers, Chair and Dave Brenn
16 member; Administrative and Legal, Rod Kuharich,
17 Chair and Randy Hayzlett, member.

18 We recommend to ARCA that the USGS Co-op
19 Agreement be approved. We recommend that the audit
20 be accepted as presented. We also recommend that
21 the proposed budgets be adopted by ARCA. The
22 Administrative and Legal Committee seeks the
23 authority to approve the meeting minutes and
24 forward with recommendations to sign any minutes to
25 the chairman. That completes my report.

0084

1 CHAIRMAN JENISON: Before Randy makes a
2 motion to approve that Committee Report, do all of
3 the members have a copy of the budget? And I guess
4 are there questions on that before we proceed?

5 MR. ROD KUCHARICH: Mr. Chairman, there is
6 the, on the first sheet there is the current budget
7 for '04-'05, two proposed alternatives.
8 Alternative one, reduce the Annual Report printing
9 costs from 8,000 to 2,000. Alternative two does
10 the same thing with the printing costs but it also
11 begins to program in the cost associated with the
12 Transit Loss Study which is item D(4) of \$6,500.
13 The second page is the '05-'06 Proposed First
14 Revision and alternative two -- both alternative
15 one and alternative two have the Annual Report
16 printing reduction. Alternative two has the
17 special projects and studies money in it in line
18 D(4) of \$50,000. Now that results in a reduction
19 of \$50,000 in reserve funds for the Compact
20 Administration and reduces that down to 53,000.
21 And then the next page is the first draft of the
22 '06-'07 budget. That again continues the reporting
23 requirements at, the printing requirements at
24 \$2,000 and it also carries over, or also has in it
25 another 10,000 for the Transit Loss Study under

0085

1 D(4), and in order to address these costs, there is
2 a proposal to increase the assessments to Colorado
3 by \$7,200 and to Kansas by \$4,800 and that is on,
4 under income, Roman Numeral II, "A one" and "two."
5 And so the direction we would go, if we were to
6 pursue the Transit Loss Study, would be to adopt
7 the alternative number two budget for both '04-'05
8 and '05-'06, is that correct, Randy?

9 MR. RANDY HAYZLETT: Yes.

10 CHAIRMAN JENISON: And that is what I was
11 curious when we adopt this Committee Report as a
12 base line, your recommendation then is Alternative
13 two?

14 MR. ROD KUCHARICH: Correct. If we were
15 to move forward with the Transit Loss Study.

16 CHAIRMAN JENISON: Okay.

17 MR. DAVID POPE: Mr. Chairman are we --
18 maybe a little different process here than
19 what I'm used to.

20 CHAIRMAN JENISON: That is what I'm
21 trying to decipher out, because when we have a
22 motion to adopt this Committee Report, that's going
23 to set our base line for anything you choose to do
24 or that the Committee chooses, the Commission
25 chooses to do, and I was just trying to get --

0086

1 MR. DAVID POPE: Are we saying that we
2 would be essentially adopting the budget as well as
3 all of these other items all in one whack if we
4 approved this Committee Report or doing it as
5 separate actions.

6 CHAIRMAN JENISON: No, we could go
7 through and take those out just like what I
8 suggested previously.

9 MR. ROD KUCHARICH: Deal with the budget
10 as a separate --

11 MR. DAVID POPE: That is what we have
12 always done. I'm not saying we can't do it.

13 CHAIRMAN JENISON: I think that would be
14 the way to do it. Do you want to move approval of
15 your report?

16 MR. RANDY HAYZLETT: So move.

17 MR. ROD KUCHARICH: Second.

18 CHAIRMAN JENISON: It's been moved and
19 seconded. Now we are on discussion.
20 (Unintelligible.)

21 MR. DAVID POPE: Mr. Chairman, I move we
22 amend the motions to deal with the budget as a
23 separate action item except we have the
24 recommendation from the Committee but we actually
25 act on it as a separate item.

0087

1 CHAIRMAN JENISON: Yeah.

2 MR. STEVE MILLER: That was after the
3 agenda that you now have some information from the
4 committee but you still have all of the, just like
5 the election, you haven't done the election you
6 just know what the committee is recommending.

7 CHAIRMAN JENISON: Well, we will when we
8 approve this budget. When we approve this
9 committee report, we will have done --

10 MR. STEVE MILLER: That wasn't my
11 intention, and maybe we need to interact more on
12 preparing it. I think you still have some agenda
13 items coming down the agenda to deal with those
14 issues.

15 CHAIRMAN JENISON: Which issues?

16 MR. STEVE MILLER: If you get to "9.3".
17 Now there is a whole set of things for the whole
18 ARCA to do on the election and approving budgets.

19 CHAIRMAN JENISON: Well, when we adopt
20 this Committee Report, with the exception of the
21 budget, ARCA will have approved the officers.

22 MR. STEVE MILLER: I didn't anticipate
23 that, but that's fine.

24 MR. ROD KUCHARICH: That's fine with me.

25 CHAIRMAN JENISON: We can do it any way.

0088

1 That's just what I'm accustomed to but I'm
2 flexible. But this is the easiest way to do it, I
3 think, when people understand what you're doing.

4 MR. TOM POINTON: Go for it.

5 MR. ROD KUCHARICH: That is good.

6 CHAIRMAN JENISON: Okay. We have an
7 amendment before us to deal with the budget
8 separately.

9 MR. ROD KUCHARICH: Yes.

10 CHAIRMAN JENISON: Seconded.

11 MR. ROD KUCHARICH: Yes.

12 CHAIRMAN JENISON: Moved, seconded,
13 (unintelligible) on the budget. Kansas.

14 MR. DAVID POPE: Aye.

15 CHAIRMAN JENISON: Colorado.

16 MR. ROD KUCHARICH: Aye.

17 CHAIRMAN JENISON: Motion carries.

18 Anything else on Administrative and Legal --

19 MR. RANDY HAYZLETT: Not unless Steve
20 wants to take us through the budget now or work
21 through it any more.

22 CHAIRMAN JENISON: We'll do that when we
23 get through with the approval.

24 MR. STEVE MILLER: There was one issue
25 of, and maybe again I'm just missing the theory

0089

1 here, but the recommendation that the Committee
2 would review minutes, do you consider that accepted
3 now as ARCA procedures?

4 CHAIRMAN JENISON: Yeah. Then the
5 report, we've adopted their report.

6 MR. STEVE MILLER: Okay, great.

7 CHAIRMAN JENISON: Now you've made me
8 forget where I'm at. We're on discussion, we
9 haven't adopted a report yet, have we? We just
10 took out the amendment.

11 MR. ROD KUCHARICH: Right.

12 CHAIRMAN JENISON: So on the report.
13 Kansas.

14 MR. DAVID POPE: Aye.

15 CHAIRMAN JENISON: Colorado.

16 MR. ROD KUCHARICH: Aye.

17 CHAIRMAN JENISON: We have adopted the
18 report with the exception of the budget. We'll
19 take up the budget now, so I guess technically,
20 we've got the current alternative one, alternative
21 two, so whoever talks first can pick what the base
22 line is.

23 MR. DAVID POPE: Mr. Chairman, if it's
24 appropriate, I would first, by way of discussion,
25 before I make a motion, it would be my idea here

0090

1 subject to --

2 CHAIRMAN JENISON: Bev is having trouble
3 hearing you, David.

4 MR. DAVID POPE: Let me start over.

5 Because there is an extra complexity in the
6 particular budget situation, I would offer an
7 explanation briefly and then a motion, okay. The
8 idea that I would have, and I think it's consistent
9 with the each of some previous discussion we've
10 had, would be to move forward with alternative two,
11 the budget which, would be for all three of the
12 items here, the proposed revision for, well, I'm
13 going to say all three. I'll put my motion in
14 terms of the details but all three of these
15 budgets, and that would include the funding for the
16 study that we referred to earlier, and I want to,
17 I'll articulate the mechanism by which the study
18 would be allowed to start in my motion. We've
19 talked about some of those conditions both in terms
20 of Tom's report and previously in terms of
21 discussion about that, and Rod and I were
22 exchanging thoughts there, and that also includes
23 within it, specifically, the proposed assessment
24 increase that would take effect for fiscal
25 2006-2007. So those are the three items that are

0091

1 all interrelated to this process, but I think we
2 need to do those pretty carefully. So unless there
3 is some questions before I start, I would, my
4 intention here be would be to try to wrap these
5 into the motion.

6 CHAIRMAN JENISON: And so the three
7 things are the funding for the Livingston Study,
8 the trigger mechanism and then the increase in the
9 assessment?

10 MR. DAVID POPE: Including all three of
11 these budgets. So let me take a stab at this.
12 Okay. I move that we adopt, I guess is the right
13 word, adopt the proposed second revision to the
14 fiscal 2004-2005 budget with alternative two.
15 Secondly, that we adopt the fiscal '05-'06 proposed
16 first revision to the budget, again with
17 alternative two, and that we adopt the draft fiscal
18 2006-2007 budget that includes an assessment
19 increase to an amount of \$48,000 for Colorado and
20 \$32,000 for Kansas. That's not an increase, that
21 is the amount of the assessment for that budget
22 year. And all of this also being shown as
23 alternative two for the fiscal '06-'07 budget, and
24 further included in the motion, would be that while
25 the money is set aside for the proposed Transit

0092

1 Loss Study that the Administration authorize the
2 Engineering Committee to evaluate the proposed
3 study including the recommendations of the
4 Operations Committee with the goal of better
5 defining the scope in the involvement of the states
6 such that it is clearly determined how the study
7 will be used and conducted so that we can make it
8 the most useful as possible for our Compact
9 purposes. Listed in that is once the Engineering
10 Committee is satisfied that we know how this will
11 proceed, they'll be authorized to give clearance to
12 Mr. Livingston to proceed with the study, hopefully
13 this spring, no later than this spring, and we
14 would move forward at that point. Apologize for
15 the length of the motion but it is somewhat
16 complex.

17 CHAIRMAN JENISON: Is there a second?

18 UNIDENTIFIED SPEAKER: Mr. Chairman, let
19 the record reflect I agree with Kansas.

20 CHAIRMAN JENISON: We have a motion and a
21 second. Is there any discussion?

22 MR. STEVE MILLER: I'm glad to see David
23 present these numbers, it's a different
24 perspective sitting back here. Two things, the
25 item I put in there was called "special projects

0093

1 and studies", that is a new line item in the
2 budget. So if this study didn't go forward from a
3 budget perspective you would still have the money
4 there to do some other kind of study or project
5 down the road. So by adopting the budget you are
6 not authorizing the Transit Loss Study. And -- I
7 already forgot -- oh, contracts. If the
8 Engineering Committee was to move forward and
9 decided they wanted to do a study with
10 Mr. Livingston, the only contract I'm aware of so
11 far is the one that we had with Jan Anderson and it
12 was kind of awkward to negotiate that and I think
13 basically Lee, you and Wendy worked out what should
14 be in the contract between ARCA and a third party?

15 MR. LEE ROLFS: I think so. Something
16 like that.

17 MR. STEVE MILLER: We've got that former
18 contract. I don't know that it would meet all of
19 the expectations for as complex study as what we
20 are contemplating. I'm asking more of a question.
21 Who should figure out who would sign, I guess you
22 would sign a contract with Livingston, but what all
23 goes in there, that is, you don't have a standard
24 form contract to pull off the shelf.

25 MR. DAVID POPE: These are good points

0094

1 and why we need to rely on our staff here, on Steve
2 as well as both states. I would offer, I guess,
3 that at the time that the Engineering Committee
4 would be prepared to give that clearance that we
5 would have also consulted sufficiently with our
6 staffs of both states to prepare a suitable
7 contract.

8 MR. ROD KUCHARICH: Sure. I think so.

9 MR. DAVID POPE: That would then be
10 forwarded to the chairman for signature and so I
11 think that's an excellent point to bring up but I
12 don't think we want to skip that step. I think if
13 we get to, if we get to the agreement on the
14 substance of this item, we need to also make sure
15 that we ask our staffs to prepare a proper contract.

16 CHAIRMAN JENISON: Are you including that
17 in your motion as well --

18 MR. DAVID POPE: I would be happy to do
19 that. I think that's an important --

20 CHAIRMAN JENISON: -- to clear that up.

21 MR. STEVE MILLER: So we don't have to
22 wait until next December to draft it.

23 CHAIRMAN JENISON: Do you agree.

24 MR. ROD KUCHARICH: I think that's fine.

25 MR. DAVID POPE: When do you have to -- I

0095

1 mean --

2 MS. CAROL ANGEL: Carol.

3 MR. DAVID POPE: Carol.

4 MS. CAROL ANGEL: I'm flattered. Carol

5 Angel of the Colorado Attorney General's Office.

6 So just including in your motion include if the

7 Engineering Committee decides that the Transit

8 Study Loss Study is warranted, then their approval

9 is effectively ARCA's as approval for the Chairman

10 to sign a contract, is that what you're saying?

11 Because we need the proper person to sign the

12 contract and he needs his approval?

13 MR. DAVID POPE: Yes, that was my intent

14 was to set up a process so that once that clearance

15 is, once that agreement is reached and that

16 clearance is provided, then the Chairman would

17 execute the contract. The only reason for doing it

18 this way is to try to move forward more quickly on

19 a timely basis rather than waiting until we meet

20 again.

21 MS. CAROL ANGEL: I agree completely. I

22 just want to clarify on the record that ARCA was

23 agreeing that they could let the Engineering

24 Committee have that authority, and once the

25 Engineering Committee exercised that authority,

0096

1 that was an authority for the Chairman to enter
2 into a contract, appropriate contract.

3 CHAIRMAN JENISON: Yes.

4 MR. DAVID POPE: I think that's right.
5 It's in essence a delegation, I guess, if you will
6 to some extent. The alternative, I suppose, would
7 be a conference call to ARCA.

8 MR. ROD KUCHARICH: Special meeting to --
9 but I think we're fine this way.

10 MS. CAROL ANGEL: Lee and I could consult
11 and see if you think there's any problem with what
12 I've described and then if there was, we could ask
13 for some kind of telephonic consultation.

14 MR. ROD KUCHARICH: We'll make the
15 appropriate accommodations if there are legal
16 problems.

17 MR. DAVID POPE: Yeah, I think we were
18 assuming that Lee and you, Carol, or Steve or
19 whoever for Colorado would be involved in that
20 contracting part of this.

21 CHAIRMAN JENISON: Further discussion on
22 Mr. Pope's motion.

23 MR. ROD KUCHARICH: Colorado votes aye.

24 CHAIRMAN JENISON: Kansas.

25 MR. DAVID POPE: Kansas votes aye.

0097

1 CHAIRMAN JENISON: Motion carries. Rod,
2 were you wanting to -- I had found that we were
3 going to do something with 50, 51 and 53?

4 MR. ROD KUCHARICH: We have already done
5 it.

6 CHAIRMAN JENISON: So we are A-okay?

7 MR. ROD KUCHARICH: Yeah, we are.

8 CHAIRMAN JENISON: I'm at the bottom of
9 my agenda unless either state has anything else
10 that we need to bring up.

11 MR. DAVID POPE: Mr. Chairman, I guess
12 only thing that, maybe it's essentially been
13 covered but, covered before -- I guess we covered
14 it.

15 MR. ROD KUCHARICH: I was just wondering
16 if that includes the effort to work towards
17 resolution on those Annual Reports?

18 CHAIRMAN JENISON: Yes.

19 MR. ROD KUCHARICH: It does.

20 CHAIRMAN JENISON: If no one has anything
21 else, we are adjourned. Thank you everybody for
22 coming.

23 (Proceedings conclude.)

24 -----

25

0098

1

2

3

C E R T I F I C A T E

4

5 STATE OF KANSAS)

6) ss:

7 GRAY COUNTY)

8

9 I, Beverly D. Lohrey, a Certified Shorthand
10 Reporter and Registered Professional Shorthand Reporter,
11 hereby certify that the foregoing is a transcript of the
12 proceedings had in this matter at the aforementioned time
13 and place.

14 WITNESS my hand and official seal at my office,

15 this 30th day of December, 2005.

16

17

18

Beverly D. Lohrey, C.S.R., R.P.R.

19

TRI-STATE REPORTING SERVICE

PO BOX 98

20

Montezuma, Kansas 67867

(620) 846-2962

21

22

23

24

25

\$	2 - 50:18, 51:5, 51:18, 51:22, 52:1, 56:22, 57:6, 57:10, 58:19, 65:12, 65:14 2,000 - 52:20, 84:9 2.5 - 17:4 2.7 - 10:21, 10:25 20 - 11:17, 21:9, 65:6 20/25 - 25:15 2000 - 48:20 2001 - 19:6 2002 - 19:9, 20:9, 52:1, 57:25 2003 - 10:20, 10:22, 10:24, 10:25, 11:2, 11:4, 11:6, 13:10, 13:17, 31:20, 37:13, 50:19, 51:6, 51:7, 56:18, 56:20 2004 - 1:5, 1:14, 10:2, 10:6, 10:17, 11:12, 12:25, 13:10, 13:22, 16:18, 21:12, 37:13, 37:14, 49:3, 49:7, 50:12, 50:24, 51:19, 51:20, 52:6, 53:1, 53:13, 57:1, 60:5 2004-2005 - 91:14 2005 - 11:7, 12:4, 13:4, 19:16, 45:17, 45:18, 98:15 2006-2007 - 90:25, 91:18 2007 - 20:9 202,000 - 38:5 205 - 19:23, 20:2, 20:3 206 - 18:14, 18:19 21 - 65:7 24th - 52:8 26 - 51:19 268 - 21:13 26th - 52:8 27,398 - 37:20	5 - 16:25, 50:16, 57:23 50 - 11:23, 37:20, 52:23, 65:1, 68:4, 73:7, 97:3 50,000 - 74:22 51 - 65:2, 68:4, 69:3, 73:7, 97:3 52 - 66:4, 69:3 53 - 65:3, 68:4, 73:8, 97:3 53,000 - 84:20 57,100 - 11:3	53:4, 54:14, 57:4 Account - 64:12, 65:5 accounting - 49:5, 68:6 accounts - 50:14, 51:5, 53:1, 65:1, 65:20, 70:17 Accounts - 65:14 accredited - 50:22 accumulated - 51:7 accumulating - 17:5 accurately - 33:17 accustomed - 88:1 achieved - 31:20 acknowledge - 82:23 acre - 10:19, 10:21, 10:23, 10:25, 11:1, 11:3, 11:5, 11:13, 17:5, 37:17, 37:20, 38:5, 50:14, 50:16, 50:24, 51:1, 51:4, 51:8, 51:13, 51:20, 51:22, 52:12, 52:15, 52:20, 52:21, 53:2 acre-feet - 10:19, 10:21, 10:23, 10:25, 11:1, 11:3, 11:5, 11:13, 17:5, 37:17, 37:20, 38:5, 50:14, 50:16, 50:24, 51:1, 51:4, 51:8, 51:13, 51:20, 51:22, 52:12, 52:15, 52:20, 52:21, 53:2 acreage - 32:1, 33:15, 79:18, 81:23 acres - 33:18 act - 46:6, 76:4, 86:25 Act - 32:15, 39:3, 41:3 action - 47:7, 64:1, 64:2, 66:5, 66:9, 66:18, 68:19, 68:24, 69:7, 69:13, 74:2, 75:4, 75:13, 75:14, 78:21, 80:24, 81:11, 86:23 actions - 67:2, 86:5 active - 19:4 activities - 21:14, 69:18 Activity - 38:10 add - 8:5 addition - 21:8 additional - 21:13, 36:7, 43:4, 49:24, 78:22 Additionally - 53:22 address - 26:21, 49:12, 85:1 addressing - 53:18 adjourned - 97:21 adjustment - 65:2 administer - 31:3 administration - 7:7, 7:13 Administration - 1:4, 3:3, 4:10, 12:5, 32:22, 47:5, 47:16, 48:12, 53:11, 53:22, 54:16, 55:1, 55:12, 55:15, 55:18, 56:5, 57:17, 58:5, 60:13, 62:18, 66:18, 68:14, 78:1, 84:20, 92:1 Administration's -	58:13 administrative - 8:8, 53:19 Administrative - 66:2, 67:19, 82:18, 82:19, 82:24, 83:16, 83:22, 88:18 admonish - 71:7 admonishing - 71:24 adopt - 67:6, 68:22, 68:24, 69:5, 70:10, 78:5, 78:8, 85:6, 85:11, 85:22, 87:19, 91:12, 91:13, 91:15, 91:17 adopted - 33:8, 53:17, 60:23, 60:25, 61:2, 61:4, 82:5, 83:21, 89:5, 89:9, 89:17 adopting - 66:17, 66:18, 86:2, 93:5 adoption - 32:16, 66:12 advanced - 41:9 advantage - 82:8 advantages - 42:9 advocates - 42:6 affect - 40:16 affected - 72:13 affiliated - 3:9, 38:14 affirm - 39:25 aforementioned - 98:12 afternoon - 59:12 agencies - 54:20 Agency - 20:18, 21:2 agency - 38:19 agenda - 6:14, 6:15, 6:17, 6:19, 34:17, 87:3, 87:12, 87:13, 97:9 agendas - 6:13 agent - 43:18 ago - 22:25, 23:9, 40:19, 48:21, 77:6, 80:3 agree - 50:5, 59:19, 78:16, 92:19, 94:23, 95:21 agreeable - 57:10 agreed - 62:21 agreeing - 95:23 agreement - 31:17, 31:20, 51:24, 58:11, 58:13, 58:14, 58:18, 68:5, 69:14, 69:15, 94:13, 95:15 Agreement - 10:5, 10:10, 19:8, 21:1, 66:4, 83:19 Agriculture - 3:22, 4:6 agriculture - 9:11, 9:20 ahead - 63:22, 77:4, 77:8, 78:20 Albuquerque - 4:19, 15:20, 80:16 alignment - 42:15 Allard - 24:16, 40:6, 42:7 alleviate - 45:1 allow - 27:20, 33:12, 75:19 allowed - 15:7, 44:14, 90:18			
'	'04-'05 - 84:7, 85:7 '05-'06 - 84:13, 85:8, 91:15 '06-'07 - 84:22, 91:23	6 - 34:25 60 - 66:5 610 - 1:22 620 - 98:20 65 - 18:21 65/35 - 18:21 67 - 5:2 67867 - 98:20	7	721 - 51:1 75 - 18:16 75/25 - 18:16 79 - 16:14			
0	05 - 64:7	8	8 - 10:5, 10:6, 10:9, 12:6, 13:1, 14:15, 66:1 8,000 - 84:9 8,561 - 51:22 8,882 - 51:8 8.22 - 17:12 80 - 37:16, 58:10 846-2962 - 98:20 85 - 24:22 8:30 - 1:15	9	9 - 87:16 9,000 - 11:5 9,277 - 50:16 98 - 98:19		
1	1 - 50:15, 51:6, 51:7, 65:21 1,000 - 16:23, 16:25, 18:2, 18:5 1,040 - 52:21 1,051 - 17:2 1,125 - 52:15 1,260 - 17:19 1,300 - 17:9, 17:12, 17:13, 17:17 1,700 - 51:4 1,800 - 17:5 1.8 - 10:23, 11:1, 11:3, 11:5 10 - 10:3, 11:8, 12:4, 19:10, 34:18, 34:20, 35:4, 70:2 10,000 - 84:25 10,407 - 51:20 100 - 18:7, 36:19, 38:1 11 - 17:3, 51:20 1135 - 18:15, 18:16, 19:4 12 - 14:15, 17:8 13 - 64:5 13,441 - 50:24 13th - 83:4 14 - 1:14, 19:18, 21:12, 50:23, 64:7 14th - 83:6 15 - 65:15 15,426 - 52:12 152,800 - 10:19 16 - 50:19 16,632 - 53:2 163 - 17:6 19 - 61:22 19,250 - 50:14 1950 - 51:14 1975 - 51:15 1980 - 48:18, 50:18, 50:20 1990 - 48:19 1996 - 35:5 1998 - 53:12	3 3 - 50:20, 52:15, 53:24, 65:7, 72:2, 73:13, 73:14, 87:16 3,340 - 11:1 3,700 - 11:13 3,720 - 10:22 3,983 - 51:4 30 - 51:12 30,000 - 37:17 300 - 11:15 31 - 52:25 34,630 - 10:21 35 - 65:11 39,900 - 10:24 3d - 50:25 3rd - 72:5, 72:15	9 9 - 87:16 9,000 - 11:5 9,277 - 50:16 98 - 98:19	A A-okay - 97:6 a.m.(mst) - 1:15 ability - 76:14 able - 7:23, 26:21, 27:22, 29:4, 29:25, 32:21, 34:5, 36:13, 43:21, 44:22, 50:9, 72:24 accept - 62:17 accepted - 63:3, 83:20, 89:2 accommodating - 22:1 accommodations - 96:15 accomplished - 24:15, 38:3 accordance - 34:25, 50:17 According - 18:3 account - 40:18, 47:15, 49:6, 50:22, 50:23, 51:2, 51:3, 51:18, 51:21, 52:16,	8 8 - 10:5, 10:6, 10:9, 12:6, 13:1, 14:15, 66:1 8,000 - 84:9 8,561 - 51:22 8,882 - 51:8 8.22 - 17:12 80 - 37:16, 58:10 846-2962 - 98:20 85 - 24:22 8:30 - 1:15	9 9 - 87:16 9,000 - 11:5 9,277 - 50:16 98 - 98:19	A A-okay - 97:6 a.m.(mst) - 1:15 ability - 76:14 able - 7:23, 26:21, 27:22, 29:4, 29:25, 32:21, 34:5, 36:13, 43:21, 44:22, 50:9, 72:24 accept - 62:17 accepted - 63:3, 83:20, 89:2 accommodating - 22:1 accommodations - 96:15 accomplished - 24:15, 38:3 accordance - 34:25, 50:17 According - 18:3 account - 40:18, 47:15, 49:6, 50:22, 50:23, 51:2, 51:3, 51:18, 51:21, 52:16,
2	5	6	7	8	9	A	

almost - 7:14, 52:8, 79:10
alone - 59:20
Als - 48:10
Alternative - 84:8, 84:9, 84:16, 85:12
alternative - 84:14, 84:15, 85:7, 89:20, 90:10, 91:14, 91:17, 91:23, 96:6
alternatives - 84:7
Amazon - 4:20
amend - 71:6, 86:22
Amended - 33:20, 33:23, 34:15
amending - 31:16
Amendment - 31:22, 32:6
amendment - 32:3, 88:7, 89:10
Amendments - 34:11
amendments - 31:21, 32:1, 33:8, 34:8
America - 3:24
Amity - 5:2, 5:10, 5:11, 5:12, 52:14
amount - 11:20, 32:9, 32:10, 32:24, 32:25, 33:15, 91:19, 91:21
analysis - 13:15, 24:13, 32:5, 32:7
analyzed - 34:8
Anderson - 5:9, 93:11
Angel - 4:23, 95:2, 95:4, 95:5, 95:21, 96:10
Annual - 1:5, 63:14, 63:18, 84:8, 84:15, 97:17
annual - 3:1, 10:15, 11:12, 15:9, 60:5, 82:3
answer - 13:6, 27:25, 41:6, 55:6
answered - 27:25
anticipate - 26:5, 26:6, 35:22, 78:20, 87:22
anticipated - 32:6
anticipation - 77:2
ants - 37:4, 37:7
Apologize - 92:14
apologize - 22:1, 32:22, 33:3
appeared - 17:15
application - 25:14, 25:18
applied - 12:16
Applies - 18:17
applying - 61:10
apportioned - 38:14
appraisals - 9:16
appreciate - 6:25, 7:12, 13:17, 25:25, 29:11, 59:5
Appreciate - 9:2
appreciative - 33:10
approach - 28:23, 29:24, 33:13, 45:11, 64:22, 75:21
approaches - 28:23
appropriate - 8:7, 33:15, 47:10, 54:19, 56:4, 71:9, 71:14, 72:22, 74:3, 89:24, 96:2, 96:15

approval - 60:18, 86:14, 88:23, 95:8, 95:9, 95:12
approve - 62:16, 62:19, 81:6, 82:12, 83:23, 84:2, 87:8
approved - 12:23, 19:7, 25:7, 83:19, 86:4, 87:21
approving - 32:3, 60:15, 63:3, 87:18
April - 50:16, 51:7, 51:20, 64:9, 64:15, 65:24, 66:8, 69:18, 69:19, 75:1
Arca - 3:19, 3:21, 3:23, 3:25, 4:1, 10:4, 31:19, 32:2, 49:20, 60:19, 61:5, 63:1, 63:3, 65:4, 69:12, 70:21, 70:24, 71:1, 71:9, 71:10, 71:14, 72:16, 73:14, 75:18, 76:1, 76:5, 83:18, 83:21, 87:18, 87:21, 89:3, 93:14, 95:22, 96:7
Arca's - 95:9
area - 16:18, 28:3, 29:14, 30:13, 37:25, 38:18, 38:19, 60:6
Area - 30:14, 30:23
areas - 25:4, 25:6
ark - 22:12, 24:11, 31:10, 31:11, 37:21, 37:25, 38:8, 38:15
Ark - 9:3, 15:16
Ark's - 26:11
Arkansas - 1:4, 3:2, 4:16, 5:6, 5:10, 5:18, 5:20, 8:24, 10:18, 10:20, 10:24, 11:2, 15:12, 15:22, 15:24, 16:1, 16:12, 18:10, 19:6, 19:10, 20:4, 21:10, 21:13, 23:1, 23:7, 25:5, 28:13, 28:25, 29:1, 37:25, 40:5, 40:19, 40:24
arkansas - 24:6, 31:2, 37:12
Army - 4:17, 4:18, 14:22
arrival - 48:14
arrived - 58:9
Article - 34:25
articulate - 90:17
aside - 51:8, 91:25
Askren - 5:1
assess - 75:23
assessing - 54:25
Assessment - 34:8, 45:19
assessment - 32:17, 32:20, 73:17, 90:23, 91:9, 91:18, 91:21
assessments - 47:2, 85:2
Assessments - 33:25
assigned - 64:19
assignments - 83:12
Assistance - 18:11
Assistant - 53:12, 55:14, 59:2, 60:3, 61:24, 83:11
assisted - 58:4
Assisting - 55:15

associated - 23:17, 27:21, 84:11
Association - 4:22, 5:19
assuming - 67:1, 77:3, 78:10, 96:18
Assurance - 33:14
assurance - 22:11
attach - 50:6
attached - 36:6, 49:17, 49:19, 62:4
attempt - 22:21, 26:9
attempts - 68:16
attend - 50:9
attendance - 48:22, 55:22
attendant - 45:3
attention - 54:16, 62:16
Attorney - 95:5
attributed - 18:18
Audience - 3:17
audience - 10:17, 48:13, 49:11, 79:8
audit - 83:19
Auditor's - 82:21
August - 11:22, 16:18, 17:3, 17:8, 52:11, 61:22, 67:24
Aurora - 38:22, 40:2, 43:8, 44:3, 45:19, 46:14, 46:22
authorities - 44:18
Authorities - 18:15, 18:23
authority - 39:1, 39:10, 40:1, 40:9, 78:3, 83:23, 95:24, 95:25, 96:1
Authority - 20:25, 21:1
authorization - 24:7, 24:20, 24:21, 26:24
authorize - 24:10, 39:23, 46:4, 46:8, 55:2, 76:5, 78:9, 92:1
authorized - 24:9, 40:7, 40:13, 40:15, 40:18, 78:12, 92:11
authorizes - 46:2
authorizing - 24:12, 44:11, 46:5, 93:6
Authorizing - 46:7
availability - 44:8, 81:25
available - 33:23, 34:24, 37:17, 38:4, 38:5, 46:15, 46:16, 49:8, 49:10, 55:23, 57:15, 64:9, 68:13, 70:24, 72:20, 82:9
average - 13:20, 16:15, 37:21, 38:1, 51:15
averaged - 11:23
avoid - 60:9
aware - 23:7, 24:17, 26:15, 27:9, 28:2, 28:25, 29:12, 29:17, 93:10
awkward - 93:12
Aye - 63:20, 79:2, 79:4, 82:14, 82:16, 88:14, 88:16, 89:14, 89:16
aye - 96:23, 96:25

backlog - 19:1
bad - 15:2
balance - 53:1, 74:22
ball - 68:17
Barfield - 4:14
Bart - 4:15
base - 85:12, 85:23, 89:21
Based - 17:25
basic - 62:25
Basin - 16:14, 18:11, 21:11, 21:13, 21:14, 22:17, 22:18, 25:9, 25:12, 28:23, 28:25, 38:1, 52:18
Basin-wide - 25:9, 25:12, 28:23
basis - 95:19
become - 19:25, 34:24
becomes - 16:22, 42:21
beetle - 36:16
beetles - 36:3, 36:5, 36:8, 36:11, 36:19, 36:23, 37:1, 37:5
began - 20:8, 36:1, 50:12, 59:22
begin - 7:9, 35:8, 53:9
Beginning - 50:19
beginning - 51:18
begins - 84:11
below - 10:18, 13:19, 16:13, 16:25, 36:4
beneficial - 34:22
beneficiaries - 44:20, 44:25, 45:11
benefit - 44:23, 50:9, 80:11
best - 8:19, 27:8, 80:21
better - 8:17, 37:24, 41:4, 51:16, 57:13, 76:8, 76:16, 76:17, 92:4
between - 11:23, 12:12, 29:3, 41:9, 52:7, 54:12, 56:10, 58:11, 65:14, 69:18, 72:16, 73:13, 74:21, 93:14
Bev - 3:12, 3:13, 90:2
Beverly - 98:9, 98:18
beyond - 42:17
big - 3:7, 9:13, 28:6
Big - 10:22, 11:10, 11:12, 11:22, 30:25, 31:1, 79:22
Bill - 5:9, 6:4, 6:9, 40:8, 42:22, 48:15, 48:16, 48:19, 48:20, 48:22, 64:13
bill - 24:17, 24:18, 24:19, 24:25, 25:2, 25:3, 25:7, 26:7, 26:10, 27:1, 27:5
biological - 36:2
bit - 22:16, 24:5, 41:25, 51:11, 68:17, 71:20, 75:12, 75:17, 76:11, 81:22
Black - 21:4, 41:14
Board - 20:17, 77:24
boarding - 15:11

Bob - 6:7
Bonnie - 36:17
Book - 4:7
bottom - 57:23, 57:25, 97:8
Boulevard - 19:19
Box - 98:19
boy - 15:10, 15:21
break - 68:20, 70:3
breakfast - 71:23
Brenn - 2:8, 3:23, 14:3, 14:4, 48:5, 48:8, 55:7, 55:10, 58:22, 59:10, 61:2, 61:7, 61:15, 62:8, 62:20, 63:23, 66:13, 69:10, 83:15
Brian - 5:14, 30:11, 30:12, 30:13, 30:15, 41:11, 41:24, 42:5, 43:6, 43:11, 44:1, 44:5, 45:15, 46:14, 46:21, 47:1, 47:6, 47:20, 48:1, 48:2
bridges - 19:20
brief - 22:3, 22:16, 35:13, 38:7, 41:5
briefly - 31:11, 45:24, 50:10, 58:25, 68:10, 75:11, 90:7
brighter - 51:11
bring - 34:9, 73:17, 94:11, 97:10
bringing - 53:20
brings - 15:17
broader - 37:10
Broderick - 8:21, 21:21, 21:24, 21:25, 25:23, 26:6, 27:2, 27:17, 28:17, 29:17, 30:7, 39:13
brought - 7:22, 22:17, 24:19, 67:24
bucket - 17:21
budget - 67:20, 76:3, 77:4, 77:20, 77:25, 78:6, 78:8, 80:8, 81:12, 81:15, 84:3, 84:6, 84:22, 85:7, 86:2, 86:9, 86:22, 87:8, 87:21, 88:7, 88:13, 88:20, 89:18, 89:19, 90:6, 90:11, 91:14, 91:16, 91:18, 91:21, 91:23, 93:2, 93:3, 93:5
budgets - 74:20, 83:21, 87:18, 90:15, 91:11
Buffalo - 5:2
Building - 1:21
building - 26:16
built - 24:9, 31:19, 38:16
Bureau - 5:1, 5:13, 5:14, 5:15, 5:16, 30:9, 30:14, 42:2
Bureau's - 25:15
business - 3:4
Bustad - 37:19

C

calculated - 58:3
calculation - 79:13
Campbell - 28:21, 30:1
Canal - 4:20, 52:14
canals - 13:1, 35:19
Canals - 35:16

<p>cannot - 44:12 Cap - 18:23, 19:2 capacity - 8:6, 27:3, 38:12, 39:7, 39:25, 43:25 Capital - 41:18 captive - 36:7 captured - 36:8 care - 7:23, 79:6 carefully - 91:2 cares - 6:15 Carol - 4:23, 95:2, 95:3, 95:4, 95:21, 96:10, 96:18 Carried - 82:17 carries - 63:21, 79:5, 84:24, 88:17, 97:1 case - 28:5, 30:24, 47:10, 47:18, 49:23 cases - 45:1, 47:14 catching - 71:19 categories - 45:14 causing - 17:22 Cedar - 36:4, 36:18, 36:20 ceremony - 19:17 certain - 50:21, 75:20 Certainly - 56:22, 58:8 certainly - 27:11, 29:10, 57:11, 58:4, 58:17, 76:16, 82:7 Certified - 98:9 certify - 98:11 cfs - 11:23, 16:19, 16:24, 16:25, 17:2, 17:6, 17:9, 17:12, 17:13, 17:17, 17:19, 18:2, 18:5 Chair - 83:14, 83:15, 83:17 Chairman - 3:1, 3:6, 6:11, 8:1, 8:6, 8:10, 8:23, 9:24, 13:7, 14:2, 14:19, 14:22, 21:19, 25:22, 30:5, 30:9, 46:10, 48:1, 48:3, 48:12, 55:12, 58:24, 59:10, 60:22, 61:4, 61:12, 62:6, 62:15, 63:2, 63:7, 63:11, 63:17, 63:21, 66:11, 66:14, 66:16, 66:21, 66:25, 67:6, 67:11, 68:18, 69:22, 70:2, 70:8, 70:16, 71:5, 72:12, 74:8, 77:18, 78:1, 78:17, 78:24, 79:3, 79:5, 79:9, 80:23, 81:5, 81:16, 81:20, 82:11, 82:15, 82:17, 83:8, 84:1, 84:5, 85:10, 85:16, 85:17, 85:20, 86:6, 86:13, 86:18, 86:21, 87:1, 87:7, 87:15, 87:19, 87:25, 88:6, 88:10, 88:12, 88:15, 88:17, 88:22, 89:4, 89:7, 89:12, 89:15, 89:17, 89:23, 90:2, 91:6, 92:17, 92:18, 92:20, 94:16, 94:20, 94:23, 95:9, 95:16, 96:1, 96:3, 96:21, 96:24, 97:1, 97:6, 97:8, 97:11, 97:18, 97:20</p>	<p>chairman - 83:25, 94:10 Chairperson - 2:3 chance - 74:3 change - 34:23 changed - 62:24 changes - 34:14 changing - 32:7 channel - 19:12, 19:13, 79:22 characteristics - 57:3 Charge - 65:7 charged - 65:11 checking - 17:14 Chelton - 19:19 chemistry - 7:12 Cheyenne - 19:24 Chieftain - 4:25 China - 37:1 choose - 85:23 chooses - 85:24, 85:25 Chris - 4:24 Christmas - 15:6 Cimarron - 15:12 circle - 15:11 circumstances - 75:20 cities - 42:18, 42:19 citizen - 72:6 City - 3:23, 4:5, 5:8, 53:16, 80:17 city - 19:8, 38:21, 40:2 clarify - 76:22, 95:22 Clean - 31:22 Clean-up - 31:22 clear - 76:13, 94:20 clearance - 78:13, 92:11, 94:4, 95:14, 95:16 clearly - 92:6 closing - 54:1 Co - 9:15, 83:18 Co-go - 9:15 Co-op - 83:18 Coal - 20:21, 20:22 coefficients - 12:16 coffee - 15:3 cold - 71:20 colleague - 12:18 colleagues - 12:19 collect - 37:1 collected - 35:19 collection - 37:25 college - 15:23 Collins - 5:11, 5:12 Colonel - 14:23, 21:19, 72:12 Colonel's - 30:17 Colorado - 1:23, 2:12, 3:25, 4:11, 4:13, 4:24, 4:25, 5:11, 5:12, 5:14, 5:21, 5:23, 5:24, 5:25, 6:2, 6:3, 6:5, 6:7, 6:8, 6:9, 6:10, 7:2, 8:20, 10:6, 10:7, 12:2, 12:7, 12:20, 14:14, 15:14, 15:23, 16:3, 19:18, 19:23, 20:16, 21:23, 23:17, 30:14, 30:23, 30:25, 31:1, 35:2, 38:11, 38:18, 39:4, 44:7, 48:16, 49:4, 49:6, 52:18, 54:12, 63:19, 63:20, 65:12, 65:14, 79:3, 82:1, 82:15,</p>	<p>85:2, 88:15, 89:15, 91:19, 95:5, 96:19, 96:23 coming - 13:15, 15:5, 25:25, 30:16, 30:18, 30:19, 79:19, 83:7, 83:13, 87:13, 97:22 Commander - 15:19 commencement - 64:25 comment - 54:2, 59:1, 75:3, 81:20 commented - 53:15 comments - 46:18, 57:12, 58:20, 67:16 Commission - 61:10, 85:24 Commissioner - 11:25, 17:8, 44:15, 51:23 commissioner - 6:24 Commissioners - 6:16, 68:21, 70:14 commit - 81:14 commitments - 21:22 Committee - 42:9, 48:4, 48:25, 50:10, 53:7, 53:8, 53:16, 53:21, 54:3, 56:6, 59:5, 59:11, 59:25, 60:17, 61:23, 62:3, 62:24, 64:1, 64:5, 64:6, 64:9, 64:16, 64:18, 64:19, 65:8, 65:16, 65:25, 66:1, 66:6, 66:8, 66:10, 66:12, 66:17, 67:2, 67:7, 67:20, 70:4, 70:11, 74:25, 75:8, 75:16, 75:19, 75:22, 76:5, 78:3, 78:11, 78:25, 79:10, 79:25, 80:5, 80:7, 81:4, 81:7, 81:18, 82:13, 82:20, 82:25, 83:6, 83:15, 83:22, 84:2, 85:11, 85:22, 85:24, 86:4, 86:24, 87:20, 89:1, 92:2, 92:4, 92:10, 93:8, 94:3, 95:7, 95:24, 95:25 committee - 22:15, 53:13, 79:12, 83:12, 87:4, 87:6, 87:9 committees - 71:2 Committees - 66:3 communicated - 56:24 communication - 80:15, 80:19 communities - 38:11 community - 22:18 Community - 1:21 compact - 50:13 Compact - 1:4, 3:2, 12:5, 47:4, 47:5, 47:11, 47:15, 47:16, 49:3, 50:12, 52:25, 53:13, 57:25, 59:22, 60:10, 68:14, 84:19, 92:8 Company - 52:14 compare - 13:11, 43:7 compared - 12:14 comparison - 41:9</p>	<p>compile - 33:21, 35:21 complete - 32:20, 32:25, 34:5, 36:14, 51:2 completed - 32:5, 32:14, 32:17, 33:4, 40:20 completely - 95:21 completes - 83:25 completing - 39:21 completion - 19:16 complex - 92:16, 93:19 complexity - 90:5 compliance - 32:14, 36:16, 39:3, 45:20, 46:23, 47:6, 47:10 complimented - 53:8 component - 12:3, 44:19 comprised - 57:1 compromise - 44:12, 44:24, 65:24 con - 46:21 concern - 27:21, 57:24, 58:8, 70:12 concerned - 27:7, 28:9 concerning - 49:2, 49:4, 51:24, 53:4 concerns - 16:8, 16:11, 26:11, 26:14, 27:12 concerted - 34:4 conclude - 97:23 concluded - 82:4 concludes - 13:5, 21:17, 41:5, 55:5, 58:20, 66:10, 80:21 concurrent - 52:16 Condition - 35:3 conditions - 34:22, 56:19, 56:23, 90:19 conduct - 55:3 conducted - 35:16, 50:12, 92:7 conducting - 35:9, 36:16 conduit - 24:5, 24:7, 24:11, 40:6, 40:7, 40:19, 40:22, 41:20 confer - 74:4 conference - 75:25, 96:7 confirm - 66:1 conflicts - 60:9 conformance - 34:10 Congress - 39:17, 40:3, 40:15, 40:18, 40:22, 46:4, 46:5, 46:7 connection - 38:15, 40:12 consequences - 45:3 Conservancy - 4:16, 5:6, 5:20, 8:21, 8:25, 21:23, 23:1, 23:8, 31:5, 34:13, 39:4, 79:17 conservation - 9:12, 9:14, 9:17, 51:7, 51:9, 51:13, 52:13 Conservation - 4:1, 20:17, 35:14, 65:20 consider - 29:15,</p>	<p>46:5, 69:5, 70:21, 70:23, 89:2 considerable - 59:13 consideration - 41:21, 60:19, 68:16, 72:21, 73:23 considerations - 47:15 considered - 43:3, 47:12, 52:4 considering - 68:12, 80:5 consistency - 47:3, 55:17 consistent - 32:9, 58:13, 81:17, 90:8 constructed - 42:21, 42:22, 44:19 Construction - 19:14 construction - 40:5, 45:2, 46:5, 46:8 consult - 96:10 consultant - 4:7 Consultant - 5:4 consultation - 96:13 consulted - 94:5 consume - 36:13 contact - 46:19, 46:24 contacting - 35:6 contacts - 46:23 contemplating - 93:20 contemporize - 40:17 continuation - 80:25 continue - 11:7, 37:10, 38:21, 39:2, 52:4, 57:8, 57:13, 58:15 continued - 22:10, 36:10, 50:23, 51:19 continues - 7:20, 38:10, 84:22 continuing - 56:6 Continuing - 18:15, 18:23 Contract - 31:4 contract - 38:23, 39:1, 39:6, 39:8, 39:11, 40:2, 43:4, 43:5, 43:8, 43:11, 43:14, 43:19, 43:20, 43:23, 43:25, 44:5, 44:10, 45:19, 45:21, 46:24, 93:10, 93:14, 93:18, 93:22, 93:24, 94:7, 94:15, 95:10, 95:12, 95:17, 96:2 contracted - 33:18, 41:13 contracting - 26:25, 38:10, 43:19, 96:20 contracts - 38:12, 39:10, 39:25, 43:9, 47:3, 47:18, 93:7 contractual - 72:16 contributed - 11:12 contributes - 11:19 control - 16:12, 16:16, 19:21, 20:6, 35:25, 36:2 controls - 28:11 controvery - 54:23, 57:19 Convenience - 65:6</p>
--	--	--	--	---

<p>conversation - 72:5 conversion - 12:13, 12:16 convey - 40:23, 41:21, 41:22, 43:21 conveyance - 38:13 conveyed - 47:22, 47:23 Coolidge - 4:23, 11:3 Cooperation - 19:8 cooperation - 54:18 Cooperative - 10:5, 10:10 coordination - 17:7 copies - 33:22, 33:24, 49:7, 49:10, 54:15, 55:21, 55:23, 70:1, 70:13 copy - 49:11, 55:24, 58:5, 68:19, 84:3 Corp - 5:4, 5:5, 5:7, 14:22, 18:8, 21:8, 24:12, 40:9, 40:11, 42:2, 42:10, 42:23, 68:9, 68:12, 70:20, 70:23, 73:12 Corps - 4:17, 4:18, 4:19, 18:18, 18:19, 20:19, 21:3 Correct - 85:14 correct - 58:9, 60:23, 85:8 corrected - 33:16 correcting - 31:22 correction - 13:25 correspond - 17:12 corridor - 40:24 cost - 12:5, 14:6, 14:11, 14:16, 18:16, 18:20, 41:8, 41:12, 41:14, 41:16, 44:21, 45:6, 73:14, 84:11 cost-shared - 18:16, 18:20 costly - 41:17 costs - 20:1, 41:18, 84:9, 84:10, 85:1 couched - 26:19 counsel - 4:8, 4:13, 5:2, 5:18, 5:19 country - 30:16 County - 4:20, 4:21, 20:23, 20:24, 21:5, 21:7, 98:7 Couple - 59:15 couple - 12:9, 35:17, 49:9, 49:14, 52:3, 56:1, 67:13, 76:1 course - 15:13, 37:23, 41:18, 42:24, 46:17 court - 3:13 cover - 49:21 covered - 21:15, 76:6, 79:11, 97:13 cove - 49:11 Creek - 10:11, 11:1, 11:18, 19:24, 20:4, 20:8, 20:20, 20:22, 21:4 crew - 46:6 Criteria - 34:9, 34:10, 34:12, 34:15 criteria - 42:3 critical - 27:23, 36:22, 36:24 Csr - 98:18 cubic - 11:15</p>	<p>cumbersome - 8:16 curious - 85:11 current - 31:9, 82:5, 82:22, 84:6, 89:20 customers - 14:12, 14:16 cut - 81:15</p> <p>D</p> <p>D(4) - 84:12, 84:18, 85:1 daily - 17:7, 55:18 Dakota - 30:17, 30:20 Dale - 4:6 Dam - 19:11, 31:5 Dan - 4:19, 6:8 data - 27:22, 28:1, 34:23, 35:20, 35:22, 36:7, 36:10, 36:21, 36:22, 37:11, 74:18, 76:17 date - 83:2 Dave - 7:25, 48:5, 48:6, 62:15, 83:15 David - 2:6, 2:8, 3:20, 3:22, 4:14, 5:9, 5:19, 7:24, 8:3, 13:8, 13:16, 13:21, 14:1, 14:3, 14:4, 25:24, 26:22, 27:11, 28:4, 29:11, 30:3, 41:24, 43:2, 43:7, 43:24, 44:2, 45:13, 46:9, 48:8, 55:7, 55:10, 58:22, 58:24, 59:10, 61:2, 61:7, 61:15, 61:19, 62:8, 62:11, 62:20, 63:4, 63:22, 63:23, 66:13, 66:23, 67:1, 67:9, 68:18, 69:10, 71:11, 71:18, 73:1, 73:9, 73:25, 75:2, 77:2, 77:18, 77:22, 78:2, 78:7, 78:19, 79:2, 81:9, 81:19, 82:14, 83:8, 83:13, 85:17, 86:1, 86:11, 86:21, 88:14, 89:14, 89:23, 90:3, 90:4, 91:10, 92:22, 93:25, 94:9, 94:18, 94:25, 95:3, 95:13, 96:4, 96:17, 96:25, 97:11 David's - 74:24 days - 11:17 de - 48:18 Deal - 86:9 deal - 27:16, 42:23, 67:4, 71:23, 77:19, 86:22, 87:13, 88:7 dealing - 23:13, 26:14 dealt - 7:14, 28:5, 78:15 Deborah - 4:17 debt - 40:15 December - 1:14, 31:15, 31:19, 31:25, 32:4, 53:24, 64:5, 70:22, 94:22 decide - 49:18, 68:2, 70:3 decided - 7:3, 93:9 decides - 95:7 decipher - 85:21 decision - 47:9, 67:21, 74:14, 79:14</p>	<p>decisions - 42:14 decreasing - 17:16, 17:25 deemed - 18:1 defer - 8:10, 69:13 define - 64:22, 78:23 defined - 73:5 defining - 92:5 definite - 54:9 delay - 33:4 delaying - 60:17 delegation - 23:2, 96:5 Delegation - 63:20 delineation - 20:19 deliver - 38:17 delivered - 52:22, 65:10 deliveries - 44:13, 58:19, 64:12 Delivery - 46:13 delivery - 35:19, 38:16, 44:6, 52:1, 52:17, 56:21 Dennis - 4:12, 5:4, 14:24 Denver - 4:1, 4:11, 4:12, 4:24, 6:3, 80:17 Department - 3:21, 4:3, 4:6, 6:3, 21:7 depletions - 32:13 Dept - 4:24 derive - 44:22 described - 96:12 describing - 12:10 design - 40:5 designated - 10:10, 64:4, 83:3 designed - 20:5 desirable - 72:20 desire - 33:22 detail - 81:21 detailed - 20:11, 53:3 details - 67:4, 90:14 determination - 52:14, 58:12, 58:16 determinations - 54:13 determine - 24:14, 26:18, 27:22, 35:1, 35:18, 58:18 determined - 17:20, 35:11, 38:25, 52:17, 68:12, 83:1, 92:6 determining - 39:9, 51:25, 54:7, 54:20 develop - 54:20, 64:4, 65:17, 65:23, 83:3 developed - 20:24, 21:6, 53:18, 73:3 developing - 35:8, 57:20 development - 59:23 dialogue - 23:24, 27:15 Dick - 68:10, 70:21, 72:1, 72:16, 73:15 Dick's - 73:12 die - 36:14 difference - 31:25, 42:23, 42:24, 42:25, 68:22 differences - 12:11, 26:9, 42:1, 42:2 different - 11:17, 30:17, 36:25, 37:3,</p>	<p>57:1, 57:2, 69:3, 76:1, 85:18, 92:23 differently - 15:25, 57:4 difficult - 41:1, 59:8 difficulty - 80:1 digital - 20:23, 21:6 diligence - 34:4 diligently - 33:7 diminishing - 14:10 direct - 44:20 directed - 59:1 Directing - 54:16 direction - 29:10, 65:4, 78:22, 85:5 directly - 43:15, 46:20, 47:14 Director - 3:25 dirt - 26:16 discipline - 60:8 discovered - 16:21, 37:4 discretionary - 47:8 discuss - 31:7, 79:16 discussed - 25:12, 49:14, 79:11, 79:21, 81:11, 82:21 discussing - 68:11 discussion - 28:20, 57:24, 70:15, 73:24, 75:8, 76:10, 78:24, 81:13, 82:2, 82:11, 86:19, 89:8, 89:24, 90:9, 90:21, 92:21, 96:21 Discussion - 66:16 discussions - 11:9, 39:10, 45:22 dispose - 69:8, 70:4 disputed - 64:24 distinct - 46:6, 61:11 distribute - 54:14, 68:21 distributed - 50:17, 65:12, 65:13 distribution - 50:24, 63:16, 65:6 District - 4:16, 4:19, 5:2, 5:6, 8:21, 8:25, 9:3, 12:2, 15:20, 19:24, 21:23, 23:1, 23:8, 23:17, 31:5, 33:15, 33:18, 34:13, 39:5, 39:6, 39:8, 39:11, 39:12, 41:13, 43:18, 79:17 district - 23:8, 27:24 ditch - 13:2 Ditch - 4:23, 11:4 diversion - 31:1 diversions - 74:17 Division - 6:5 Division - 3:22, 4:4, 4:9, 4:14, 5:8, 5:22, 5:23, 5:24, 5:25, 6:8, 6:9, 48:17, 56:22, 79:15 document - 20:15, 56:10, 56:12, 60:2, 60:6, 60:11, 60:14, 60:20, 61:8, 61:16, 61:21, 61:25, 62:2, 62:17, 62:19, 63:3, 69:16 documenting - 13:3 documents - 60:25, 62:9 Documents - 62:11</p>	<p>dollars - 24:22, 74:21 Domenici - 25:1, 28:22 Don - 5:1, 5:22, 6:6 done - 7:21, 16:5, 41:15, 59:18, 74:2, 76:9, 77:10, 80:11, 81:25, 86:12, 87:5, 87:9, 97:4 dormant - 36:15 down - 3:11, 8:24, 17:10, 17:23, 22:19, 26:23, 76:11, 84:20, 87:13, 93:5 downstream - 18:7, 19:11 draft - 12:10, 12:18, 40:21, 45:17, 46:16, 56:13, 64:5, 83:5, 84:21, 91:17, 94:22 Draper - 2:16, 4:8 drawing - 17:23 Drinking - 41:2 driver - 42:12 drought - 35:15 dry - 56:18 Due - 35:14, 42:12 during - 16:21, 17:18, 17:19, 21:14, 35:7, 35:12, 50:12, 52:12, 53:13, 60:10, 65:20 During - 10:6, 17:7, 50:14 dynamics - 64:22, 69:17</p> <p>E</p> <p>Ea - 32:24, 46:15, 46:16, 46:22 early - 16:18, 37:22, 38:3, 56:16, 56:25 easements - 9:12, 9:14, 9:18 easier - 8:1, 69:4 easiest - 88:2 easily - 28:19 east - 38:6 Eastern - 30:13, 30:23 easy - 7:17, 13:14 eating - 36:3 echo - 57:11, 59:17 economic - 20:13 Edelman - 5:17, 10:1, 10:2, 13:13, 13:19, 13:23, 14:8, 14:21 effect - 17:22, 17:24, 35:1, 40:8, 58:7, 61:13, 90:24 effective - 32:12, 33:13 effectively - 95:9 effects - 20:13, 32:7, 32:12 efficient - 32:11 effort - 7:18, 59:13, 77:15, 97:16 efforts - 34:4, 53:8, 56:6, 59:5 eighth - 22:7 Either - 62:8 either - 44:13, 64:13, 67:11, 75:19, 97:9 EI - 21:5, 21:6 election - 87:5,</p>
---	---	--	---	---

<p>87:18 elevations - 17:4 eliminated - 26:24 Elsie - 6:6, 48:16 Emergency - 20:18, 21:2 emphasize - 45:24, 46:3 employee - 48:16, 68:10, 70:20, 70:21 enacted - 39:18 encourage - 55:1 end - 3:11, 3:15, 7:20, 37:18, 41:23, 42:25, 52:25, 65:15, 70:22 engage - 16:7 engaged - 29:13 Engineer - 4:11, 49:4, 68:10, 81:6 engineer - 56:22 Engineer's - 4:12 Engineering - 64:19, 75:16, 75:19, 75:22, 76:5, 78:2, 78:11, 79:6, 80:7, 81:4, 82:12, 83:13, 92:2, 92:9, 93:8, 94:3, 95:7, 95:23, 95:25 Engineers - 4:17, 4:18, 4:19, 5:4, 5:5, 5:7, 14:23, 40:10, 40:11 Englewood - 6:2 enhancement - 19:12 enlarge - 22:22 enlarging - 39:21 ensure - 18:4 enter - 39:1, 39:5, 39:24, 96:1 entered - 24:16, 25:1, 54:11 entertain - 9:23, 61:10 entire - 16:14, 20:10 entities - 39:6, 43:13, 43:16, 43:21 entitled - 52:15 entitlements - 22:12 Environment - 42:8 environment - 37:3 environmental - 20:12, 32:17, 32:20, 38:20, 45:3 Environmental - 20:14, 32:15, 33:24, 34:7, 39:3, 45:16, 45:19 envision - 30:20 eradicating - 36:12 eradication - 25:3, 25:9, 25:12, 37:9 especially - 80:2 essence - 25:19, 61:1, 61:21, 75:7, 96:5 essentially - 73:13, 76:12, 86:2, 97:12 establishing - 47:4 estimate - 12:13, 12:17, 41:13, 41:14 estimated - 37:16 estimates - 41:16 evaluate - 92:2 evaluation - 40:16, 40:20, 41:12 evaporation - 79:13 evaporative - 38:23</p>	<p>Eve - 6:2 evening - 55:21, 58:4 event - 11:16, 15:9, 52:13, 64:25, 67:15, 68:4 events - 11:18, 52:7, 52:11, 68:6 eventually - 47:24 exact - 42:15 Exactly - 73:22 exactly - 27:3 examined - 35:7 example - 42:3, 67:3 exceed - 20:1 exceeded - 17:1 exceeding - 18:5 excellent - 94:11 except - 63:25, 86:23 exception - 87:20, 89:18 excess - 16:19, 18:2, 22:9, 26:25, 27:3, 38:12, 38:23, 39:7, 39:24, 43:25 exchange - 38:24, 43:22 exchanging - 90:22 execute - 95:17 exercised - 95:25 exhaustive - 56:9 exist - 40:2, 46:4 existing - 22:12, 43:9, 44:23, 45:1, 47:3 exists - 7:13 expand - 31:12 expect - 12:21, 14:7 expectation - 26:4 expectations - 93:19 experiences - 34:23 experimental - 36:2 expertise - 70:24 experts - 16:6 explain - 26:12 explanation - 90:7 express - 54:21 extend - 28:15 extensive - 22:17 extent - 96:6 extra - 49:9, 55:21, 90:5</p>	<p>fear - 36:1, 56:20 feasibility - 20:5, 22:22, 26:15, 26:17, 26:20, 26:23, 39:21, 46:2, 46:3, 46:7 Feasibility - 20:15 feasible - 24:14, 26:18, 27:23 feature - 40:14 February - 60:12, 74:19 Federal - 2:3, 3:5, 20:1, 20:18, 21:2 federal - 10:8, 10:13, 14:10, 18:17, 18:21, 40:3, 42:3, 45:8, 47:7, 47:8 feet - 10:19, 10:21, 10:23, 10:25, 11:1, 11:3, 11:5, 11:13, 11:15, 17:5, 17:12, 37:17, 37:20, 38:5, 50:14, 50:16, 50:24, 51:1, 51:4, 51:8, 51:13, 51:20, 51:22, 52:12, 52:15, 52:20, 52:21, 53:2 fell - 16:17 felt - 28:22 few - 23:6, 27:6, 29:3, 31:11, 35:24, 39:15, 55:23, 56:2, 56:15, 69:24 Field - 35:14 fields - 15:4 figure - 14:5, 75:23, 76:21, 93:21 file - 49:19 fill - 51:2 final - 10:15, 12:25, 60:17 finally - 66:7 Finally - 54:1 financial - 24:13, 43:13 findings - 13:3 fine - 69:8, 71:18, 87:23, 87:24, 94:24, 96:9 finished - 15:6, 35:20 finishing - 15:3 First - 31:14, 39:13, 48:22, 84:13 first - 3:3, 8:19, 12:22, 25:11, 31:7, 52:7, 57:3, 67:25, 74:22, 84:6, 84:21, 89:21, 89:24, 91:16 fiscal - 8:9, 90:24, 91:14, 91:15, 91:17, 91:23 fish - 19:9 Fishery - 19:6 fit - 77:13 fits - 44:17, 45:8, 45:9, 77:14 five - 11:23, 21:4, 49:24, 54:17, 60:7, 63:25, 64:25, 70:17, 71:6, 73:22, 74:1, 74:21 flat - 14:10 flattered - 95:4 flexibility - 65:9, 78:18 flexible - 88:2 flip - 17:21 Flood - 16:12, 20:20, 21:3</p>	<p>flood - 16:15, 16:21, 20:6, 20:12, 66:4 floodplain - 20:19 Florence - 20:3 Flores - 5:24 flow - 10:3, 12:14, 16:23, 17:13, 17:14, 17:19, 23:14 flowed - 28:2 flows - 10:16, 10:18, 11:1, 11:12, 11:20, 13:9, 16:19, 17:25, 18:2, 18:4, 28:5, 66:4 focal - 25:11 focus - 62:16 fold - 34:21 Foley - 4:17 folks - 10:17, 29:13, 51:9 follow - 66:8, 68:8, 75:4 follow-up - 75:4 followed - 48:9, 51:21, 53:20 following - 53:14, 65:9, 70:6, 83:7, 83:12 follows - 3:18 Fonsi - 32:19 forces - 43:15 foregoing - 98:11 forget - 89:8 forgot - 93:7 form - 27:15, 46:1, 72:18, 93:24 formed - 23:9 former - 93:17 Fort - 5:11, 5:12 forth - 9:16, 60:7 forthcoming - 23:6 Fortunately - 17:17 forward - 24:10, 24:22, 27:15, 39:2, 40:4, 42:17, 68:17, 73:10, 75:20, 76:15, 83:24, 85:15, 90:10, 92:14, 93:2, 93:8, 95:18 forwarded - 29:9, 94:10 foundation - 62:25 Fountain - 20:8 four - 14:17, 33:9, 60:7, 64:18, 74:12, 76:7, 78:18, 78:20 free - 71:12 Fremond - 20:24 Fremont - 20:22 Frontier - 4:23, 11:4 Fry - 22:12, 24:11, 31:10, 31:11, 37:21, 37:25, 38:8, 38:15 Fry-ark - 22:12, 24:11, 31:10, 31:11, 37:21, 37:25, 38:8, 38:15 Fryingpan - 24:6, 31:2, 37:12 Fryingpan-arkansas - 24:6, 31:2, 37:12 fulfill - 20:6 full - 69:12 fully - 18:9 functional - 18:9 fundamentally - 62:21 funded - 18:22, 20:17, 79:23 funding - 19:22,</p>	<p>20:1, 24:20, 24:21, 80:8, 90:15, 91:7 funds - 14:10, 74:20, 84:19 furnish - 49:24, 49:25 future - 18:9, 22:24, 34:16, 70:25</p>
G				
<p>gage - 10:11 gages - 10:3, 10:4, 10:5, 10:7, 10:9, 11:8, 11:25, 12:3, 12:4, 12:7, 12:8, 14:17, 79:21, 79:22 gaging - 16:22, 17:11, 17:15, 17:21, 17:24, 18:1, 18:6, 18:9, 80:25 gained - 34:23, 36:7, 37:2 Garcia - 5:4 Garden - 3:23, 4:5, 5:8, 53:16, 80:17 gates - 17:16 gather - 36:10, 36:22, 37:10 gathering - 36:21, 74:18 general - 29:12, 44:16, 44:17, 44:20, 44:22, 56:2 General - 19:25, 39:12 General's - 95:5 generally - 11:19, 11:22, 41:15, 42:13 generate - 57:18 generated - 41:1 generating - 20:14 generation - 44:14 gentlemen - 59:4 Geological - 5:17, 6:4, 9:25, 10:8, 35:16 Gis - 20:24 Given - 27:6 given - 10:15, 53:3, 76:2, 82:24 glad - 24:2, 25:20, 49:7, 55:6, 92:22 goal - 92:4 goals - 9:13 Golden - 15:23 Gonzales - 83:9 Gould - 5:16 government - 18:21, 47:9 graciously - 70:23 grade - 19:21 Granada - 10:24 grant - 25:16 grants - 9:15 Grasmick - 5:9 Gray - 98:7 great - 15:1, 15:17, 42:23, 43:1, 81:21, 89:6 greater - 16:23, 41:19, 42:9, 44:25, 51:14 greatest - 45:5 ground - 12:11, 12:12, 74:19 ground-water - 12:11, 12:12 group - 3:7, 23:23, 28:10 growing - 9:21,</p>				

<p>15:10 guess - 8:23, 22:25, 26:1, 28:12, 42:4, 43:2, 62:16, 66:23, 67:1, 67:21, 70:17, 73:9, 73:15, 73:18, 75:2, 77:10, 78:10, 80:20, 81:5, 81:10, 81:20, 84:3, 89:19, 91:12, 93:21, 94:2, 96:5, 97:11, 97:13 guidance - 69:17, 77:7 guiding - 55:18 guys - 7:16, 27:20</p>	<p>26:18, 29:20, 29:24 Horse - 11:1, 11:10 hot - 30:20 hours - 72:3 Howland - 5:10, 6:5, 6:6, 48:15, 48:20 huge - 18:24 hundred - 49:24, 74:21 hunting - 15:7 hydraulically - 32:10 hydrograph - 57:7 Hydrologic - 5:3 hydrologic - 32:5 hydrological - 54:5</p>	<p>41:15 indicated - 39:16, 40:6, 40:22, 44:16, 59:16 individual - 21:12, 65:14 individually - 67:8, 69:8 infestation - 36:18 inflows - 65:3 information - 11:24, 13:17, 17:25, 23:4, 23:5, 31:23, 40:17, 58:2, 80:13, 87:3 informed - 59:25 infrastructure - 45:4 initial - 44:25 initiated - 20:19, 21:3, 35:6, 45:22 input - 22:19, 64:23, 76:12 institutionalize - 61:11, 62:23 institutionalized - 62:25 instruct - 63:19 Insurance - 20:20, 21:3 insuring - 27:7 intent - 95:13 intention - 62:18, 87:11, 91:4 interact - 87:11 Interagency - 21:1 interchangeably - 15:22 interdependent - 35:10 interest - 12:10, 40:25, 63:17 interested - 28:3, 33:25, 71:2 interesting - 3:8 interests - 10:8, 44:13 interim - 53:23 intermittently - 16:2 interrelated - 91:1 interrelationship - 76:3 Interrupting - 61:2 interruption - 65:19 interruptions - 65:23 interstate - 53:18 introduce - 3:10, 3:12, 48:14 introduced - 15:19, 26:7, 27:1, 34:2 introduces - 3:17 introductions - 16:5 invasive - 18:13, 18:17 investigate - 54:6 Investigation - 19:25 investigations - 13:1 invitation - 9:2 involve - 19:21 involved - 7:1, 24:25, 33:11, 96:19 involvement - 33:10, 76:9, 76:12, 92:5 involving - 20:11, 38:8 irrigated - 31:24,</p>	<p>33:16 Irrigation - 4:22, 31:3 irrigation - 35:21 issue - 27:4, 27:10, 28:7, 28:8, 38:7, 64:20, 65:1, 65:3, 65:6, 65:7, 65:21, 66:5, 67:23, 72:25, 73:3, 73:16, 74:9, 88:24 Issue - 66:4 issued - 21:12, 35:5 issues - 7:13, 23:16, 23:17, 23:24, 26:2, 26:19, 28:6, 31:12, 33:11, 35:7, 35:11, 38:8, 41:5, 53:9, 53:10, 53:19, 53:20, 56:3, 56:8, 56:9, 56:12, 56:14, 59:8, 59:14, 59:18, 59:21, 59:24, 64:8, 65:3, 65:22, 66:2, 68:4, 69:12, 69:14, 72:19, 73:5, 76:16, 82:23, 87:14, 87:15 item - 8:11, 24:4, 24:24, 63:25, 66:7, 70:17, 71:6, 76:6, 84:12, 86:23, 86:25, 92:25, 93:1, 94:14 Item - 64:8, 64:11, 64:18, 64:25, 65:5, 65:19, 66:1 items - 22:3, 24:1, 63:25, 64:1, 64:2, 66:9, 66:18, 67:5, 67:8, 68:19, 68:24, 69:3, 69:7, 76:6, 76:23, 78:12, 79:11, 80:24, 86:3, 87:13, 90:12, 90:25 itself - 35:9, 38:14, 67:2, 77:16</p>	<p>90:2, 91:6, 92:17, 92:20, 94:16, 94:20, 94:23, 96:3, 96:21, 96:24, 97:1, 97:6, 97:8, 97:18, 97:20 Jennison- 2:3, 3:5, 53:15 Jim- 3:24, 8:11, 8:21, 21:21, 21:24, 21:25, 26:6, 27:2, 27:17, 28:7, 28:17, 29:17, 30:6, 30:7, 39:12, 39:16, 40:6, 40:22, 63:8, 63:10, 66:15, 83:9, 83:15 Joe- 5:23 John- 2:16, 4:2, 4:7, 10:18, 15:13, 16:16, 36:20, 49:2, 49:6, 50:11, 51:9, 52:10, 52:19, 54:7, 65:2, 80:17 join - 43:15 joined - 28:21 joint - 53:17, 60:2, 60:21, 61:23 Joint- 10:9 July- 30:20, 37:19, 45:18, 52:7, 74:22, 74:23, 77:5 july - 67:23 justified - 80:14</p>
<p>H Habitat - 19:6 habitat - 19:10, 19:12 Hal - 4:10, 4:20 half - 52:11 hand - 40:8, 98:14 hand-off - 40:8 handed - 42:1, 55:21, 79:25 handing - 14:24 happy - 13:6, 41:6, 94:18 hard - 8:3, 31:15, 59:4, 80:18 harm - 45:11 Harrison - 5:19 hastily - 55:1 Hays - 6:4 Hayzlett - 2:7, 3:19, 82:18, 82:19, 83:17, 85:9, 86:16, 88:19 hear - 8:2, 8:4, 23:4, 25:6, 77:13, 78:2, 79:8 heard - 67:17 hearing - 75:8, 90:3 heavy - 16:17, 17:3 held - 24:18, 53:16, 53:24, 65:13 help - 9:18, 9:20, 34:21, 37:7, 56:13 helped - 7:8 helpful - 6:25, 7:5, 7:8, 7:11, 63:14, 75:7 helping - 79:20 helps - 45:7 Helton - 6:1 hereby - 98:11 Higbee - 6:6 high - 10:10, 14:17, 15:2, 28:5 higher - 29:25 highlights - 56:15 hindsight - 56:17 Hines - 4:22 Historically - 16:24 history - 22:14 hold - 19:22, 35:17 Holly - 6:7, 10:11 home - 15:20, 30:18 home-town - 15:20 homesick - 30:22 hope - 7:19, 9:16, 22:10, 49:17, 59:5, 71:1 hopeful - 34:15, 37:24 hopefully - 49:25, 92:12 hopes - 25:5, 26:21, 30:1, 32:19 hoping - 25:13,</p>	<p>I idea - 3:16, 29:8, 61:20, 75:15, 89:25, 90:8 identified - 56:8, 67:14 identifying - 20:11, 53:20 Ii - 85:4 illustrative - 57:7 immediately - 36:4, 65:11 Impact - 20:14, 45:16 impact - 32:18, 38:20 impacts - 27:13 impartial - 68:7, 70:20 implement - 65:18 implications - 47:11, 47:12 import - 37:18 importance - 24:24 important - 10:13, 15:9, 27:10, 28:22, 54:22, 57:19, 94:19 importantly - 23:12 impression - 13:24 improve - 19:9, 54:10, 57:14 improved - 54:6, 54:20 Improvements - 19:11 improving - 79:19 in-line - 12:14 Inc - 5:11, 5:12 include - 19:12, 41:12, 41:14, 47:4, 61:16, 71:6, 82:1, 90:15, 95:6 included - 22:18, 51:1, 60:4, 60:14, 61:8, 82:5, 91:24 includes - 90:22, 91:18, 97:16 including - 18:5, 40:25, 45:10, 92:3, 94:16, 95:6 Including - 91:10 income - 85:4 inconvenience - 33:3 increase - 14:18, 85:2, 90:24, 91:8, 91:19, 91:20 increased - 17:4, 17:13 increasing - 14:15 increasingly - 41:1 independent -</p>	<p>J Jaci - 5:16 jacket - 30:22 James- 2:14 Jan- 93:11 jantz - 3:13 January- 64:7, 72:2, 72:6, 73:13, 73:14 Jenison- 3:1, 6:11, 8:10, 8:23, 9:24, 13:7, 14:2, 14:19, 14:22, 21:19, 25:22, 30:5, 30:9, 46:10, 48:1, 48:3, 60:22, 61:4, 61:12, 62:6, 62:15, 63:2, 63:7, 63:11, 63:17, 63:21, 66:11, 66:14, 66:16, 66:21, 66:25, 67:6, 67:11, 68:18, 69:22, 70:2, 70:8, 71:5, 72:12, 74:8, 77:18, 78:1, 78:17, 78:24, 79:3, 79:5, 80:23, 81:5, 81:16, 82:11, 82:15, 82:17, 84:1, 85:10, 85:16, 85:20, 86:6, 86:13, 86:18, 87:1, 87:7, 87:15, 87:19, 87:25, 88:6, 88:10, 88:12, 88:15, 88:17, 88:22, 89:4, 89:7, 89:12, 89:15, 89:17,</p>	<p>K Kansas- 2:5, 3:19, 3:20, 3:21, 4:3, 4:4, 4:5, 4:6, 4:7, 4:8, 4:14, 4:23, 5:1, 5:8, 5:9, 6:4, 7:2, 10:6, 12:8, 12:19, 15:11, 15:21, 16:4, 23:21, 23:25, 28:10, 33:14, 35:2, 35:3, 51:17, 51:22, 51:23, 54:8, 54:12, 56:15, 56:16, 56:19, 56:22, 56:24, 56:25, 57:6, 74:4, 79:1, 82:13, 85:3, 88:13, 89:13, 91:20, 92:19, 96:24, 96:25, 98:5, 98:20 Kansas'- 26:13 Kearny- 4:20, 4:21 keep - 9:10, 16:7, 57:20, 59:25, 80:18 keeping - 9:19, 9:20, 80:15 Ken - 4:11 Kent- 4:25 Kevin - 3:14, 4:3, 6:12, 64:3, 69:23, 69:25, 83:3 kind - 3:4, 3:15, 7:8, 14:5, 29:22, 30:21, 33:2, 63:7, 63:24, 69:6, 70:18, 71:19, 71:24, 72:25, 75:4, 78:14, 79:20, 93:4, 93:12, 96:13 kinds - 28:11, 69:14 knowing - 76:24 Knox- 4:11 Kreiner- 68:10, 70:21 Kucharich - 61:18 kudos - 56:4 Kuharich - 2:13, 3:25, 41:8, 63:5, 66:20, 67:9, 67:12,</p>	

69:20, 70:16, 71:8,
71:16, 71:22, 72:8,
72:17, 73:7, 73:21,
74:7, 74:10, 74:13,
76:25, 77:23, 78:5,
78:16, 79:4, 82:16,
83:16, 84:5, 85:14,
86:9, 86:17, 87:24,
88:5, 88:9, 88:11,
88:16, 89:11, 89:16,
94:8, 94:24, 96:8,
96:14, 96:23, 97:4,
97:7, 97:15, 97:19

L

lack - 58:1
Lake - 16:18
lake - 17:4
Lakes - 52:21
Lakin - 3:19, 4:22
Lamar - 1:21, 1:23,
3:24, 6:7, 6:9, 10:20,
24:8, 40:25, 53:14,
53:25
land - 9:7
landowner - 9:18
language - 65:17,
65:23
large - 12:3, 29:1
largely - 44:21
larger - 29:5, 32:10
last - 7:22, 14:8,
23:12, 25:14, 27:6,
31:14, 31:19, 32:4,
33:9, 34:14, 35:4,
35:21, 37:1, 49:14,
51:12, 52:9, 52:12,
55:20, 56:17, 59:23,
60:12, 60:23, 61:6
Last - 8:15, 31:25
late - 48:14, 74:18
law - 39:18, 45:9,
45:10, 47:3, 47:4
Law - 4:24, 6:3
Lawma - 6:6
lead - 38:19, 59:6
leaf - 36:3
leased - 9:8
least - 30:24, 36:14,
45:12, 73:16
leave - 71:17, 74:1
leaves - 36:13,
49:15
Lee - 2:9, 4:5, 50:4,
74:12, 93:13, 93:15,
96:10, 96:18
leg - 72:24
legal - 96:15
Legal - 66:3, 67:20,
82:18, 82:20, 82:24,
83:16, 83:22, 88:18
legislation - 29:13,
39:19, 39:23, 40:3,
42:10, 44:11, 45:25
Legislation - 22:21,
23:25, 24:10, 24:15
leisure - 16:9
length - 36:24,
92:15
Leroy - 5:5, 8:24,
9:1, 9:24, 9:25
less - 41:17
letter - 23:2, 26:12,
58:6, 61:22, 72:18
level - 17:23, 19:3,
29:14, 51:4, 53:23
Ley - 5:25
licensure - 40:11
light - 41:25, 74:24

limit - 20:2
limitations - 20:1
limited - 33:1
line - 12:14, 16:7,
54:8, 74:4, 84:17,
85:12, 85:23, 89:22,
93:1
lines - 80:19
Lisa - 5:15, 34:1
list - 56:9, 67:9
Listed - 92:9
Livingston - 5:3,
54:3, 54:4, 55:4,
67:18, 74:15, 80:9,
81:1, 91:7, 92:12,
93:10, 93:22
located - 17:22,
18:7
Lohrey - 3:13, 98:9,
98:18
Lohrey-jantz - 3:13
longstanding - 56:3
look - 6:16, 13:14,
20:10, 24:22, 27:8,
27:15, 28:11, 29:19,
34:14, 45:12, 51:10,
57:13, 57:20, 65:22,
70:14, 72:23, 73:4,
73:16, 73:19, 76:5,
80:6
looked - 28:15
looking - 7:10,
12:15, 24:13, 43:8,
51:15, 56:18
looks - 79:18
Loss - 35:15, 35:18,
64:20, 67:14, 67:17,
67:24, 68:3, 74:11,
84:12, 84:25, 85:6,
85:15, 92:1, 93:6,
95:8
loss - 13:1, 35:18,
51:2, 51:3, 54:25,
58:12, 79:24
losses - 51:25,
52:23, 54:7, 54:13,
54:21, 57:14, 58:3,
58:16, 58:19, 76:17
Loveland - 5:13,
5:15
low - 13:18
Lower - 4:15, 5:6,
5:9, 5:18, 5:20, 8:24,
9:3, 23:1, 23:7, 26:11
Ltc - 4:18

M

maintains - 30:24
major - 24:24,
30:25, 47:7
Malcolm - 5:13,
34:2
management - 22:9
Management -
5:19, 20:18, 21:2
Manager - 39:12
manager - 30:13
manner - 57:18,
67:22
map - 7:10
mapping - 20:23,
21:6
March - 38:2, 50:23,
51:19, 58:6, 65:15,
74:18
Mark - 4:4, 47:1,
47:13, 47:17, 47:25,
48:9, 55:10, 55:11,
55:13, 62:9, 83:11

Martin - 4:2, 10:18,
15:13, 16:16, 36:20,
49:2, 49:6, 50:11,
51:10, 52:10, 52:19,
54:8, 65:2, 80:17
Mary - 5:11
master - 39:8, 43:5,
43:11, 43:20, 43:22,
45:20, 46:24
match - 10:14
matches - 15:16
matching - 25:16
materials - 42:15,
73:2
matrix - 56:11,
59:23, 64:8
matter - 60:20, 72:4,
78:14, 98:12
Mauch - 5:5, 9:1
Maxfield - 4:20
mean - 13:21,
68:16, 71:19, 72:15,
73:5, 95:1
means - 47:23
meant - 56:2
measure - 36:2,
36:3, 37:9, 64:12
measured - 11:21,
17:18, 57:4
measurement -
17:14, 57:10
measurements -
16:23
measures - 18:4,
37:5
mechanism - 77:21,
78:9, 90:17, 91:8
medium - 10:12
meet - 41:2, 66:8,
74:25, 80:1, 82:20,
93:18, 95:19
Meeting - 1:5, 64:10
meeting - 3:2, 3:3,
17:7, 23:21, 31:20,
48:22, 48:25, 53:15,
59:13, 59:22, 64:5,
64:16, 65:24, 69:19,
70:8, 75:12, 75:14,
77:24, 83:1, 83:4,
83:23, 96:8
meetings - 27:18,
53:23
Mehren - 5:18
member - 83:14,
83:16, 83:17
Members - 48:12
members - 48:13,
49:10, 54:15, 55:12,
61:22, 84:3
membership - 23:9
Memorial - 19:17
memories - 15:17
Mendenhall - 4:15
mention - 57:22,
75:24
mentioned - 26:22,
28:8, 47:2, 70:19,
77:5, 81:24
mentioning - 69:12
merit - 71:20
met - 53:13, 59:11
meters - 12:14
method - 12:12,
54:6, 57:10, 64:12,
64:13, 64:14
methodology -
51:25, 54:10, 54:24,
64:22, 76:21, 80:6
methods - 54:20,
57:13

Mexico - 25:2
Meyer - 5:7
mid - 67:23
mid-2005 - 35:22
mid-july - 67:23
might - 8:1, 28:12,
29:15, 45:23, 63:14,
68:15, 73:15, 79:7
Might - 72:24
migrate - 36:9
migration - 37:7
Mike - 5:7
miles - 19:10
Miller - 46:11,
46:19, 49:12, 63:13,
64:3, 83:3, 87:2,
87:10, 87:16, 87:22,
88:24, 89:6, 92:22,
93:17, 94:21
million - 18:22,
24:22
mind - 57:20
Mines - 15:24
minimal - 32:13
minute - 70:3,
75:24, 77:6
minutes - 49:13,
49:17, 49:22, 49:23,
49:25, 62:5, 63:16,
69:24, 83:23, 83:24,
89:2
missing - 88:25
mission - 9:9
misunderstanding -
82:7
Model - 31:21
modeling - 80:12
modify - 77:24
moment - 48:14
money - 77:4,
84:17, 91:25, 93:3
Monique - 5:21
Montezuma - 98:20
Montgomery - 4:13
month - 45:18,
52:7, 53:25, 77:21
Morey - 5:21
Morning - 30:12
morning - 9:1, 10:2,
15:1, 15:8, 17:8,
21:25, 25:24, 30:11,
48:11, 55:11, 71:23,
75:11
most - 21:15, 27:10,
27:19, 29:10, 29:22,
47:21, 53:24, 92:8
Most - 28:23
Motion - 63:21,
79:5, 88:17, 97:1
motion - 61:12,
61:16, 63:8, 69:1,
70:10, 70:15, 81:6,
82:12, 84:2, 85:22,
89:25, 90:7, 90:13,
90:18, 91:5, 91:24,
92:15, 92:20, 94:17,
95:6, 96:22
motions - 86:22
move - 24:1, 29:9,
39:2, 40:4, 55:1,
63:24, 66:2, 66:11,
66:13, 68:17, 71:4,
73:10, 75:20, 77:11,
85:15, 86:14, 86:16,
86:21, 90:10, 91:12,
92:14, 93:8, 95:18
Moved - 88:12
moved - 24:10,
81:8, 86:18
moving - 22:7,

22:24, 26:16, 27:5,
42:10, 76:15
multi - 29:7
multi-state - 29:7
municipal - 39:6
municipalities -
9:11, 41:2
mutual - 59:24
mutually - 57:9

N

name - 30:12,
55:13, 62:12, 79:10
narrowed - 26:23
Nathan - 6:3
nation - 18:25
National - 32:15,
39:2
nationally - 18:22
nationwide - 21:15
native - 18:14,
30:18, 37:3
natural - 33:1, 37:4
naturally - 36:9
nature - 27:14
near - 10:15, 10:24,
11:2, 18:9, 22:24,
34:16, 36:20, 40:21,
40:23
necessary - 54:6
need - 6:14, 6:17,
7:14, 8:4, 27:25,
42:14, 45:2, 49:19,
54:9, 57:13, 59:3,
64:11, 64:23, 65:22,
66:21, 68:7, 70:1,
76:3, 76:11, 76:18,
76:22, 79:7, 87:11,
91:2, 94:1, 94:14,
95:11, 97:10
needed - 22:8, 49:8,
75:4
needs - 22:8, 22:11,
27:21, 49:16, 58:14,
65:9, 95:12
negligible - 32:13
negotiate - 93:12
Nepa - 32:15, 45:10,
45:14, 45:20, 46:11,
46:23, 47:6, 47:9,
47:14
net - 36:8
net-captured - 36:8
netting - 36:6
Neuhold - 6:8
never - 24:9
New - 5:11, 5:12,
25:1
new - 6:24, 18:10,
23:8, 36:16, 57:18,
57:20, 57:21, 93:1
newly - 82:5
Next - 34:17
next - 9:13, 9:16,
24:1, 24:19, 24:23,
26:4, 37:23, 71:14,
71:15, 72:22, 77:4,
84:21, 94:22
nice - 67:12
night - 49:14
Niles - 5:10
nine - 8:11, 64:2,
66:7, 68:19
non - 38:13, 38:24,
39:7, 43:22, 44:8,
44:14, 47:21
non-project - 38:13,
38:24, 39:7, 43:22,
44:8, 44:14, 47:21

<p>normal - 16:13 North - 30:17, 30:20 northward - 38:18 note - 26:1, 63:18 noted - 56:23 nothing - 73:22 notified - 17:10 November - 32:18, 50:15, 50:19, 51:6, 51:12, 65:21, 67:25 Nrsc/scd - 6:7 Number - 64:3 number - 7:1, 7:4, 26:2, 33:16, 43:12, 44:16, 48:23, 52:2, 55:22, 58:9, 74:12, 76:6, 85:7 numbers - 13:10, 58:7, 92:23 Numeral - 85:4</p>	<p>opening - 19:17 operate - 11:8, 76:14 operated - 10:4, 10:9, 12:4 operates - 30:23 operating - 8:14 Operating - 31:8, 31:14, 31:16, 32:16, 33:6, 33:12, 33:20, 33:23, 34:9, 34:10, 34:11, 34:12, 34:15, 34:17, 34:19, 34:24, 50:18, 50:20, 58:10, 82:5 Operation - 60:14, 66:7 operation - 12:6, 12:7, 14:11, 35:1, 58:15 operational - 56:3 operations - 16:12, 16:16, 16:21, 49:2, 49:5, 50:11, 53:4, 55:16, 55:19, 57:16, 57:25 Operations - 4:9, 48:4, 48:7, 48:9, 48:18, 48:25, 50:10, 53:7, 53:12, 54:3, 55:14, 55:15, 56:5, 57:12, 58:2, 59:2, 59:11, 59:25, 60:3, 60:4, 60:17, 61:9, 61:23, 61:24, 61:25, 62:3, 62:23, 64:1, 64:6, 64:9, 64:16, 64:18, 65:7, 65:8, 65:16, 65:25, 66:1, 66:5, 66:12, 70:11, 74:25, 75:8, 78:25, 79:24, 81:18, 82:25, 83:6, 83:10, 83:11, 83:14, 92:4 opinion - 54:9 opportunity - 52:10, 70:14 opposed - 23:3, 23:5, 25:10, 28:24 optimum - 34:21 Option - 22:6, 22:20, 23:18 Options - 39:13 options - 67:20 order - 3:3, 3:4, 61:13, 70:9, 81:6, 85:1 original - 27:5 originals - 33:21 originated - 52:18 otherwise - 60:10 ought - 74:1, 79:23 outcome - 42:25 outcomes - 41:19 outlet - 16:22, 17:11, 17:15, 17:21, 17:23, 18:1, 18:8 outlined - 54:4 outstanding - 6:23 overall - 18:22 Oversight - 80:5 oversight - 80:10, 81:2 overview - 41:5 own - 46:13, 49:11, 73:15</p>	<p>57:8, 57:23, 58:1, 80:2, 84:13, 84:21 pages - 33:20, 49:25, 60:7 paid - 44:21 panel - 14:25 paragraph - 54:17 parameters - 62:22 parcels - 31:24 Parks - 31:21, 79:16 Part - 25:2 part - 7:16, 23:10, 26:8, 28:2, 29:25, 30:16, 34:5, 35:11, 47:14, 47:21, 49:8, 49:21, 50:2, 50:7, 60:1, 62:3, 62:4, 62:13, 67:19, 96:20 partially - 18:18, 20:17 participating - 15:9, 15:15 particular - 90:6 particularly - 56:5 parties - 31:15, 33:5, 34:13, 35:6 Parts - 23:9 parts - 27:4, 27:6, 29:1, 29:2 party - 68:7, 93:14 Paso - 21:5, 21:7 pass - 8:16 passed - 14:12, 39:19, 46:1 past - 6:23, 7:14, 50:6 Pat - 5:17, 9:25, 10:2, 13:8, 13:13, 13:19, 13:23, 14:3, 14:4, 14:8, 14:19, 14:20, 14:21 pat - 13:7 pay - 41:19 Pc - 6:2 peace - 76:16 pending - 19:22, 21:17 people - 7:1, 7:2, 7:4, 7:6, 8:4, 8:13, 33:7, 88:3 per - 11:15 percent - 14:15, 14:17, 16:14, 37:16, 37:21, 38:1, 52:24, 65:11 Pergatoire - 13:2 perhaps - 8:7, 63:25 period - 7:7, 21:15, 36:23, 50:15, 51:6, 65:21, 74:23 periods - 13:12 permanent - 52:19 Permanent - 52:22, 79:12 permits - 21:12, 21:16 persists - 57:24, 58:8 person - 95:11 Person - 5:14, 30:10, 30:12, 30:13, 30:15, 41:11, 42:5, 43:6, 43:11, 44:1, 44:5, 45:15, 46:14, 46:21, 47:6, 47:20, 48:2 personally - 34:1 perspective - 15:10, 26:3, 29:7, 30:15, 39:16, 92:24, 93:3</p>	<p>pertinent - 83:2 peruse - 43:14 Pesop - 23:3, 26:1 pheasants - 15:4 philosophy - 44:17 phone - 72:5 photo - 36:23 photosensitivity - 37:2 photosynthesis - 36:14 pick - 89:21 picked - 28:13 piece - 27:23 piggyback - 44:15 pilot - 25:4, 28:14, 29:18 pilots - 25:13 pin - 76:11 pipeline - 41:9, 41:17, 42:13, 42:14 pivotal - 39:19 place - 45:4, 98:13 placed - 35:17, 51:17 places - 7:9 placing - 18:6 plains - 15:2, 30:19 Plan - 22:6, 22:20, 23:18, 39:14, 50:18, 50:20, 58:10 plan - 27:5, 50:25 planned - 25:4, 25:6 Planning - 18:11, 19:17 plans - 18:8 plantings - 19:14 plants - 36:13 plate - 33:3 play - 39:19 pleased - 15:8, 33:4, 48:23 pleasure - 15:18 pledge - 54:18 plenty - 38:4 plus - 44:3 Po - 98:19 podium - 8:18, 79:7 point - 22:20, 41:23, 60:19, 70:25, 73:19, 77:8, 81:13, 81:14, 92:14, 94:11 Pointon - 2:15, 4:1, 79:9, 79:10, 81:3, 81:8, 83:14, 88:4 points - 40:24, 56:1, 93:25 Policy - 39:3 political - 29:21 Pool - 52:22, 79:12 pool - 43:16, 52:19 Pope - 2:6, 3:20, 7:24, 8:3, 13:8, 13:16, 13:21, 14:1, 23:23, 25:24, 26:22, 27:11, 28:4, 29:11, 30:3, 41:24, 43:2, 43:7, 43:24, 44:2, 45:13, 46:9, 58:24, 59:16, 61:19, 62:11, 63:4, 66:23, 67:1, 71:11, 71:18, 73:1, 73:9, 73:25, 75:2, 77:2, 77:22, 78:7, 78:19, 79:2, 81:9, 81:19, 82:14, 83:8, 83:13, 85:17, 86:1, 86:11, 86:21, 88:14, 89:14, 89:23, 90:4, 91:10, 93:25, 94:9, 94:18,</p>	<p>94:25, 95:3, 95:13, 96:4, 96:17, 96:25, 97:11 Pope's - 96:22 portion - 21:4 portions - 36:12 position - 82:22 positions - 71:4 possible - 28:12, 76:19, 92:8 potential - 20:11, 44:4, 65:23 potentially - 44:3, 75:10 power - 12:13, 12:16, 44:13 Powers - 19:19 practice - 32:8 pre - 68:12 pre-determined - 68:12 predator - 37:4 predict - 37:23, 57:14 Preferred - 22:5, 22:20, 23:18 preparation - 38:20 prepare - 94:6, 94:15 prepared - 64:15, 94:4 preparing - 87:12 prescribed - 51:3, 54:11 present - 46:1, 52:5 presentation - 54:2 presented - 29:7, 49:1, 83:20 preserve - 9:9 president - 4:21 pretty - 7:19, 23:23, 80:18, 91:2 prevent - 37:7 previous - 14:14, 90:9 previously - 31:16, 86:8, 90:20 primarily - 30:24, 34:21 primary - 39:20, 42:5 principles - 34:11, 34:20 Principles - 31:8, 31:14, 31:17, 32:16, 33:6, 33:12, 33:20, 33:23, 34:18, 34:19, 34:25, 82:6 printed - 6:20, 61:21 printing - 84:8, 84:10, 84:16, 84:23 prioritization - 14:13 prioritized - 10:7 priority - 10:11, 10:12, 10:14, 14:17 private - 45:2 proactive - 25:8 problem - 63:2, 63:6, 96:11 problems - 56:18, 96:16 procedure - 50:5 procedures - 89:3 proceed - 68:3, 75:10, 84:4, 92:11, 92:12 proceedings - 70:6, 98:12</p>
<p>O</p> <p>Oak - 20:3, 20:20 objectives - 20:7, 34:20 observed - 7:15 obtain - 34:21 Obviously - 58:10 obviously - 28:8, 71:11 occur - 40:10, 46:8, 60:9 occurred - 10:22, 10:23, 10:25, 11:2, 11:4, 11:6, 52:11, 53:23 occurs - 13:16 October - 52:25 offer - 35:24, 39:15, 90:6, 94:2 offered - 70:23 offering - 73:12 Office - 4:12, 30:14, 30:23, 95:5 office - 49:20, 98:14 officers - 6:22, 83:7, 87:21 official - 98:14 Offset - 64:12 offset - 49:5, 51:17, 51:21, 53:4, 54:14, 57:4 old - 9:3, 80:3 Once - 53:14 once - 39:17, 42:16, 45:24, 46:16, 53:14, 80:1, 92:9, 95:14, 95:15, 95:24 One - 10:11, 29:3, 34:21, 41:21, 57:22, 60:12, 67:14, 76:4 one - 6:15, 9:13, 11:14, 11:19, 22:2, 25:5, 25:11, 25:13, 25:16, 28:14, 29:20, 41:22, 42:6, 44:3, 49:13, 53:24, 54:19, 56:25, 57:1, 64:3, 67:8, 68:23, 69:7, 75:3, 75:18, 75:21, 76:16, 77:16, 80:4, 84:8, 84:15, 85:4, 86:3, 88:24, 89:20, 93:11, 97:20 ongoing - 18:10, 19:14, 20:9 op - 83:18 open - 69:1, 80:19 opened - 17:17</p>	<p>P</p> <p>page - 10:16, 54:17,</p>			

<p>Proceedings - 97:23 process - 13:3, 14:13, 22:17, 23:10, 27:15, 35:5, 35:8, 35:10, 36:15, 45:14, 49:18, 53:17, 56:13, 59:19, 59:22, 60:8, 64:23, 74:14, 85:18, 91:1, 95:14 processes - 35:10, 46:12 produced - 17:4 producing - 16:19 productive - 31:18 Professional - 98:10 program - 12:1, 18:23, 19:2, 23:14, 25:15, 26:1, 26:17, 84:11 Program - 18:12, 18:15, 18:23, 35:14, 65:11, 65:16 programmed - 74:20 programs - 18:21 progress - 7:19, 31:19, 46:22, 59:6, 59:7, 64:16, 71:25 project - 8:18, 18:20, 19:9, 19:15, 19:23, 20:2, 20:3, 20:5, 20:10, 22:7, 23:16, 23:20, 23:22, 24:11, 24:14, 25:10, 25:11, 25:15, 28:18, 28:20, 28:24, 29:23, 35:2, 38:13, 38:14, 38:24, 39:7, 40:9, 40:15, 42:1, 42:7, 42:10, 42:11, 42:21, 42:22, 43:22, 44:8, 44:9, 44:11, 44:13, 44:14, 45:11, 47:21, 81:22, 82:2, 93:4 Project - 19:7, 22:12, 24:6, 31:2, 31:3, 31:6, 31:9, 31:10, 31:11, 34:9, 35:16, 37:12, 37:22, 37:25, 38:9, 38:15 projects - 18:18, 19:5, 19:18, 19:20, 19:22, 25:12, 29:19, 31:1, 44:21, 44:24, 84:17, 92:25 promised - 32:4 pronounced - 15:25 proper - 67:22, 95:11 properly - 78:23 proposal - 29:6, 67:25, 71:12, 76:24, 77:9, 78:7, 80:6, 85:2 Proposal - 74:15 proposals - 52:3 propose - 83:12 proposed - 34:8, 34:14, 38:16, 40:4, 40:7, 55:3, 64:13, 74:20, 80:9, 83:6, 83:21, 84:7, 90:12, 90:23, 91:13, 91:15, 91:25, 92:2 Proposed - 84:13 proposing - 11:7, 43:9 prospects - 51:10 protect - 19:20</p>	<p>protected - 22:13 protection - 19:21 Protocol - 53:19 protocol - 59:20 proved - 8:15 provide - 22:10, 22:11, 35:13, 56:4, 57:23, 64:23 provided - 17:10, 31:13, 54:2, 57:8, 58:2, 58:6, 58:7, 95:16 providing - 33:13, 58:5 province - 36:25 provisions - 33:17, 44:12, 45:9, 45:10, 54:17, 55:18, 70:13 Psop - 39:19, 45:25 Public - 42:8 public - 44:20, 44:22, 45:17 publication - 12:24 publicly - 34:1 publish - 63:14 published - 13:4 Pueblo - 4:25, 5:7, 5:17, 5:22, 5:23, 5:25, 6:1, 6:10, 16:16, 19:9, 19:11, 22:23, 23:13, 23:15, 24:8, 36:4, 38:17, 39:22, 40:12, 40:23, 41:4, 65:10, 65:15 Pull - 66:25 pull - 93:24 pumpage - 12:11, 12:12, 12:13, 12:17 pumping - 49:7 purchased - 9:6, 9:7 Purgatoire - 16:20, 31:4, 34:12, 79:17 purpose - 53:18 purposes - 54:25, 57:7, 71:13, 92:9 pursuant - 34:24, 35:3, 50:19, 50:25 pursue - 85:6 pushing - 77:1 put - 7:2, 10:14, 25:14, 28:20, 31:16, 49:21, 55:20, 80:6, 80:8, 90:13, 92:25 puts - 58:17 putting - 37:6</p> <p>Q</p> <p>quality - 27:13, 27:19, 28:6, 41:3 Quality - 32:15 quantified - 52:2 quantities - 42:19 quantity - 37:19 questions - 9:22, 13:6, 14:2, 14:19, 16:8, 21:18, 24:2, 25:21, 27:24, 30:5, 41:7, 46:10, 53:6, 55:6, 55:7, 58:22, 84:4, 91:3 Questions - 9:24, 13:7, 21:19, 25:22 quick - 13:8, 49:13 quickly - 22:4, 95:18 quite - 9:3, 29:13, 43:2, 51:11, 59:12</p>	<p>R</p> <p>rain - 11:16 rainfall - 17:3 rains - 16:17 raised - 35:11, 53:11, 60:18 Randy - 2:7, 3:10, 3:16, 3:19, 82:18, 82:19, 83:17, 84:1, 85:8, 85:9, 86:16, 88:19 ranging - 16:14 ranking - 10:12 Rarambel - 6:7 rather - 32:25, 46:20, 62:17, 81:14, 95:19 ratio - 10:14 raw - 41:22 Rayl - 4:17 Razorbacks - 16:1 re - 40:16, 41:12 re-evaluation - 40:16, 41:12 reach - 33:11, 51:24, 68:5 reached - 79:13, 95:15 reading - 67:10 readings - 18:4, 37:14 ready - 6:11, 40:21, 48:3 real - 7:15 reality - 29:21 realized - 15:24 really - 6:25, 7:3, 7:12, 8:5, 9:17, 53:19, 59:22, 74:3, 76:15, 81:14 reason - 10:12, 42:4, 42:6, 95:17 reasons - 54:5 recalled - 72:9 receive - 61:5, 70:25, 72:22 received - 10:12, 21:9, 26:12, 33:19, 60:24, 69:6, 82:21 receiving - 60:16 recent - 40:25, 53:24 recess - 70:5 recessed - 70:10 Reclamation - 5:13, 5:14, 5:16, 30:10, 30:14, 32:14, 34:5, 34:13, 36:1, 36:15, 38:19, 38:25, 39:5, 39:9, 39:18, 39:24, 40:9, 40:13, 41:6, 42:11, 42:20, 42:24, 43:14, 43:19, 47:22 Reclamation's - 32:5, 32:16, 39:16, 44:17, 45:25 recognize - 27:11, 59:3, 60:20 recognized - 63:1 recognizes - 65:8 recollection - 61:6 recommend - 80:8, 83:18, 83:19, 83:20 recommendation - 60:3, 67:18, 70:20, 70:24, 71:3, 81:17, 85:12, 86:24, 89:1 recommendations - 60:21, 61:5, 61:24,</p>	<p>67:3, 68:8, 68:13, 69:11, 72:18, 72:23, 73:18, 81:4, 83:24, 92:3 recommended - 19:24 recommending - 87:6 recommends - 64:18, 64:21 record - 49:9, 50:1, 50:2, 60:16, 60:20, 61:10, 61:17, 62:4, 92:19, 95:22 recorded - 17:2 Recording - 82:21, 82:23, 83:8 records - 12:13 Recreation - 52:22 recreational - 22:11 red - 60:6 reduce - 84:8 reduces - 84:20 reduction - 20:12, 84:16, 84:18 refer - 56:11, 71:9, 71:10 reference - 58:1 referral - 69:11 referred - 65:3, 82:25, 90:16 referring - 62:1, 62:12, 71:14 refers - 75:15 refine - 76:8 reflect - 33:17, 92:19 reflected - 38:12 regard - 23:25, 26:13, 53:6, 68:9 regarding - 54:12, 54:23 regards - 14:4, 24:11, 61:7, 65:5 Region - 20:18, 21:2 regional - 20:24 Registered - 98:10 reintroduction - 26:5, 26:7 relate - 15:5, 76:14 related - 34:7, 73:3 relationship - 72:16 relatively - 42:17 Release - 17:13 release - 17:1, 17:6, 17:9, 17:10, 17:16, 17:17, 17:19, 36:8, 36:17, 36:19, 51:17, 51:22, 52:19, 57:5, 77:20, 78:9 released - 36:5, 36:9, 51:21, 57:3 releases - 16:24, 51:19, 52:1, 54:7, 54:13, 65:19 releasing - 32:8, 32:9, 36:3 reliable - 18:4 rely - 94:1 remain - 19:2 remaining - 31:25, 74:23, 78:11 remains - 37:8, 40:13, 42:20 remarks - 53:5 remember - 24:6, 45:17, 59:21, 80:3 removed - 18:13 Repayment - 31:4 repayment - 44:10,</p>	<p>44:19, 45:7 repeat - 53:5 replace - 82:3 replacing - 82:22 report - 6:22, 12:10, 12:17, 12:22, 13:3, 13:5, 14:24, 21:17, 35:4, 35:22, 48:4, 49:2, 49:4, 49:21, 53:3, 54:1, 55:5, 55:20, 56:1, 56:2, 56:14, 57:7, 60:5, 60:24, 60:25, 61:6, 62:13, 64:15, 68:23, 68:25, 69:2, 69:5, 69:6, 71:13, 75:5, 80:21, 80:23, 83:25, 86:15, 87:9, 89:5, 89:9, 89:12, 89:18, 90:20 Report - 48:9, 48:10, 60:15, 61:9, 62:3, 63:14, 63:18, 66:10, 66:12, 66:17, 67:7, 67:20, 70:4, 70:11, 78:25, 81:7, 82:13, 82:17, 82:21, 84:2, 84:8, 84:15, 85:11, 85:22, 86:4, 87:20 reported - 10:21, 11:18 reporter - 3:13, 49:8 Reporter - 98:10 reporting - 82:4, 84:22 Reporting - 98:19 reports - 6:21, 7:21, 7:25, 8:12, 8:13, 14:25, 49:1, 50:6, 59:1, 60:15, 60:16, 62:10, 62:12 Reports - 97:17 represent - 12:1, 16:2 representative - 3:20, 3:21, 3:23, 3:24, 4:2 Representative - 2:3, 4:3 representatives - 12:20, 60:11 represented - 3:16 request - 20:16, 38:22, 39:11, 44:5, 49:23, 74:16, 79:14 requested - 17:9, 17:12, 22:4, 23:2, 39:5 requests - 21:9 require - 34:19 required - 66:6 requirement - 18:20, 47:7 requirements - 18:25, 84:23 requires - 58:10 research - 28:1 reserve - 84:19 reservoir - 16:20, 17:6, 79:15 Reservoir - 10:18, 15:13, 22:23, 31:6, 36:5, 36:17, 38:18, 40:12, 40:23, 41:4, 49:3, 49:6, 50:11, 51:10, 52:10, 52:19, 65:2, 80:18 reservoirs - 38:6 Reservoirs - 16:17, 39:22</p>
--	---	--	--	--

resolution - 32:3,
 33:11, 56:8, 56:14,
 58:14, 97:17
 Resolutions- 55:17
 resolve - 26:9,
 54:23, 59:7, 59:20,
 65:4, 76:15
 resolved - 23:14,
 23:16, 32:2, 59:9,
 77:3
 resolving - 53:10,
 72:25
 resource - 22:9,
 79:15
 Resources- 3:22,
 4:4, 4:5, 4:9, 4:15,
 5:8, 5:21, 5:22, 5:23,
 5:24, 6:1, 6:6, 6:8,
 6:10, 48:17
 resources - 33:1,
 43:14, 43:17
 respect - 10:7
 respective - 71:2
 responsibilities -
 55:16
 responsibility -
 16:3, 39:20
 Restoration- 19:7
 restoration - 20:12
 restored - 18:14
 restructuring -
 19:13
 resubmitting -
 25:17
 result - 11:16
 resulted - 31:17
 results - 35:23,
 64:24, 84:18
 resurface - 70:18
 retire - 48:19
 Retired- 6:5
 retirement - 72:3
 retiring - 68:9,
 70:22, 72:1
 review - 12:18,
 34:18, 34:19, 35:4,
 35:5, 35:8, 35:9,
 35:10, 45:17, 50:11,
 55:16, 56:2, 67:13,
 68:2, 69:20, 89:2
 reviewed - 12:18,
 21:14, 55:20, 57:6,
 65:24
 reviewing - 49:13
 reviews - 12:21
 revise - 6:17, 12:22
 revised - 77:9
 revision - 90:12,
 91:13, 91:16
 Revision- 84:14
 revisions - 12:23
 Richard- 5:17
 rights - 31:23,
 33:17, 47:21
 riparian - 19:10
 riparian/bank -
 19:14
 River- 1:4, 3:2,
 10:18, 10:20, 10:24,
 11:2, 15:12, 16:13,
 16:20, 19:6, 19:11,
 20:4, 21:11, 21:13,
 23:17, 28:13, 40:19,
 40:24, 52:18
 river - 29:1, 29:2,
 41:23, 56:19, 56:23
 rivers - 29:3, 29:5
 road - 93:5
 Road- 19:19
 roadway - 19:20

Robin- 2:3, 3:5,
 81:20
 Rockvale- 20:21
 Rod- 2:13, 3:25,
 41:8, 61:18, 63:5,
 66:20, 67:9, 67:12,
 69:2, 69:20, 70:16,
 71:8, 71:11, 71:16,
 71:22, 72:8, 72:17,
 73:1, 73:7, 73:21,
 74:7, 74:9, 74:10,
 74:13, 76:19, 76:25,
 77:23, 78:5, 78:16,
 79:4, 82:16, 83:16,
 84:5, 85:14, 86:9,
 86:17, 87:24, 88:5,
 88:9, 88:11, 88:16,
 89:11, 89:16, 90:21,
 94:8, 94:24, 96:8,
 96:14, 96:23, 97:1,
 97:4, 97:7, 97:15,
 97:19
 Rogers- 2:14, 3:24,
 63:10, 66:15, 83:10,
 83:15
 role - 39:19, 45:25
 Rolfs- 2:9, 4:5, 50:4,
 74:12, 93:15
 Roman- 85:4
 room - 3:15
 roughly - 42:19
 round - 37:1
 Rpr- 98:18
 Rude- 4:4, 47:1,
 47:17, 47:25, 48:10,
 55:10, 55:11, 55:13,
 58:23, 62:9, 83:11
 rules - 72:11
 run - 13:10, 56:16,
 56:25, 57:1
 runoff - 16:13, 17:4,
 37:23
 Russ- 5:3, 67:18,
 75:12, 75:17, 77:8

S

Safe - 41:2
 sailboating - 15:12
 Salt- 36:4, 36:18,
 36:20
 Salter- 4:3, 64:3,
 69:25, 83:3
 Sandy - 4:16, 10:22,
 11:11, 11:12, 11:22,
 79:22
 Santa - 4:8
 satisfied - 92:10
 scheduled - 19:16,
 22:2
 Scheuerman - 4:21
 scope - 28:16, 35:7,
 37:10, 73:4, 73:11,
 76:8, 77:10, 92:5
 scoping - 35:12
 Scoping - 28:17
 score - 51:16
 Sds - 38:17, 38:21,
 45:15, 46:14, 46:21
 seal - 98:14
 search - 46:20
 season - 35:21,
 56:16
 Second - 24:4,
 66:14, 66:15, 86:17
 second - 10:16,
 11:15, 49:13, 52:11,
 63:11, 70:11, 81:9,
 84:13, 91:13, 92:17,
 92:21

secondary - 18:6,
 18:8
 seconded - 63:9,
 86:19, 88:12
 Seconded - 88:10
 Secondly - 91:15
 Secretaries - 61:25
 secretary - 39:24
 Secretary - 4:10,
 48:7, 48:9, 48:18,
 53:12, 55:14, 57:12,
 58:2, 59:2, 59:3, 60:4,
 61:9, 65:8, 82:23,
 83:9, 83:10, 83:11
 Secretary's - 60:14,
 82:22
 Section - 18:14,
 18:15, 18:16, 18:19,
 19:4, 19:18, 19:23,
 20:2, 20:3, 50:17,
 50:20, 50:25, 51:5,
 51:18, 51:22, 52:1,
 52:15, 57:6, 57:10,
 58:19, 65:7, 65:12,
 65:14
 see - 3:8, 7:9, 14:20,
 21:20, 22:22, 23:11,
 30:6, 42:23, 73:19,
 92:22, 96:11
 seeing - 24:23
 seeks - 83:22
 seem - 22:24
 seepage - 13:1
 selected - 25:17
 Senate- 42:6
 Senator - 24:16,
 25:1, 28:21, 28:22,
 30:1, 40:6, 42:7
 send - 33:21, 33:24
 sense - 47:17, 82:9
 sensitive - 36:24
 separate - 46:6,
 61:11, 74:2, 86:5,
 86:10, 86:23, 86:25
 separately - 88:8
 September- 11:14,
 11:23
 serious - 27:12
 serve - 16:9, 42:18,
 42:19, 43:18
 service - 18:6
 Service- 98:19
 Services - 35:14
 services - 21:10,
 45:5, 45:7
 session - 31:18
 set - 12:25, 26:17,
 35:20, 53:17, 75:5,
 83:2, 85:23, 87:17,
 91:25, 95:14
 sets - 60:7
 setting - 25:9
 seven - 10:8, 22:6,
 65:19
 several - 5:3, 11:16,
 14:9, 38:8, 53:22
 Shampline - 5:5
 share - 14:6
 shared - 18:16,
 18:20
 shares - 9:8
 shed - 41:24
 Shed's - 16:3
 sheet - 6:12, 84:6
 shelf - 93:24
 shopping - 15:6
 shore - 27:13
 Short - 80:15
 short - 60:6, 68:20,
 70:5

Shorthand - 98:9,
 98:10
 show - 29:4, 49:22
 showed - 32:7
 showing - 7:5
 shown - 10:16,
 91:22
 side - 74:4, 75:9
 sides - 71:3, 71:24,
 72:23
 sign - 6:12, 6:13,
 83:24, 93:21, 93:22,
 95:10, 95:11
 sign-up - 6:12
 signatories - 33:22
 signature - 33:19,
 94:10
 signed - 19:8,
 32:19, 33:5, 33:21,
 34:12, 34:16, 60:11,
 61:22
 significant - 16:15,
 32:18, 36:18, 60:1,
 60:2
 significantly - 37:15
 Simpson - 4:10
 sincerely - 32:21,
 33:6
 site - 14:16, 17:18,
 25:10
 sites - 21:10, 25:8
 sits - 42:7
 sitting - 23:20,
 92:24
 situation - 90:6
 six - 65:5, 68:1
 Sixth - 1:22
 sixty - 74:21
 sixty-five - 74:21
 skip - 94:12
 slate - 83:7
 slightly - 16:13,
 51:14
 slope - 19:21,
 37:15, 37:18, 38:6
 small - 9:4, 11:20,
 29:2, 43:13
 smaller - 29:5, 32:9,
 38:11, 43:16, 43:21
 snowmelt - 16:13
 snowpack - 37:24
 snowpacked -
 37:14
 so-called - 31:22
 socio - 20:13
 socio-economic -
 20:13
 solutions - 7:17
 someone - 55:23
 sometimes - 59:13
 somewhat - 36:11,
 73:5, 92:15
 somewhere - 49:18
 soon - 80:10
 sooner - 32:20, 77:6
 sort - 31:12, 43:24,
 73:4, 76:7, 76:9, 77:9
 sounds - 73:11
 South - 1:22
 southeast - 15:14
 Southeastern -
 8:20, 21:23, 25:20,
 39:4, 43:4, 43:10,
 43:17, 45:21, 45:23
 Southeastern's -
 43:20
 southern - 38:16,
 44:6
 Southern - 46:13
 Southeastern-

39:12, 41:13
 southwest - 15:11,
 15:21, 16:4
 space - 38:4, 38:5,
 44:9
 Speaker - 8:22,
 72:1, 72:10, 72:14,
 92:18
 speaking - 41:16,
 42:13
 Special - 96:8
 special - 77:24,
 84:17, 92:25
 species - 18:13,
 18:14, 18:17
 specific - 21:10,
 25:10, 28:24, 60:7,
 61:8, 62:19
 specifically - 57:22,
 90:23
 spill - 64:25, 67:15,
 68:3, 68:6, 69:14,
 70:17
 spilling - 65:1
 spread - 18:17
 spring - 36:18,
 37:14, 74:17, 77:7,
 92:13
 Springs - 19:19,
 19:23, 38:11, 38:18,
 44:7
 Squirrel - 21:4
 ss - 98:6
 stab - 91:11
 stabilized - 9:20
 staff - 16:6, 33:2,
 34:2, 53:23, 69:11,
 69:17, 76:20, 94:1
 staffs - 56:7, 94:6,
 94:15
 stage - 12:18,
 17:11, 20:5
 stand - 8:1, 36:20,
 45:14
 standard - 50:5,
 93:23
 standards - 41:3
 standpoint - 26:3
 stands - 36:4
 Stansfield - 5:10
 start - 3:9, 3:12,
 8:20, 78:13, 90:4,
 90:18, 91:3
 started - 22:15,
 74:17, 76:22
 state - 4:7, 4:13,
 12:19, 12:20, 14:13,
 24:20, 29:7, 54:8,
 81:25, 97:9, 98:19
 State - 4:11, 4:12,
 27:18, 31:21, 49:4,
 98:5
 stateline - 57:5,
 57:11, 58:19
 Statement - 45:16
 statement - 40:16,
 41:12
 statements - 38:20,
 40:20, 49:15
 States - 18:11,
 29:20
 states - 9:9, 27:10,
 27:19, 28:9, 28:15,
 28:18, 28:19, 49:20,
 54:18, 56:11, 58:11,
 58:17, 59:17, 59:19,
 59:24, 60:8, 60:12,
 62:21, 62:23, 64:11,
 64:14, 64:21, 64:23,
 65:17, 65:22, 68:1,

68:5, 76:10, 76:20, 80:12, 92:5, 94:2, 94:6 stating - 23:3 station - 10:15, 16:22, 17:11, 17:15, 17:21, 17:24, 18:1, 18:6, 18:9 stations - 80:25 status - 31:7 stay - 38:2, 73:23 Steerman - 5:2 step - 54:22, 71:14, 71:15, 72:22, 94:12 Stephanie - 83:9 steps - 71:9 Steve - 4:8, 6:14, 6:15, 46:11, 46:19, 48:8, 48:10, 48:11, 48:21, 49:12, 50:8, 55:8, 55:9, 55:15, 56:7, 58:4, 63:11, 63:13, 64:3, 64:13, 83:2, 83:10, 87:2, 87:10, 87:16, 87:22, 88:19, 88:24, 89:6, 92:22, 93:17, 94:1, 94:21, 96:18 Steven - 4:22 sticky - 37:6 still - 13:19, 23:13, 26:10, 26:19, 27:4, 27:5, 37:22, 43:24, 45:22, 58:8, 59:8, 73:18, 87:4, 87:12, 93:3 stipulation - 54:11, 54:15 stock - 32:1 Stockwater - 32:6 stockwater - 33:14 stockwatering - 32:8 storage - 17:5, 22:8, 22:9, 22:15, 26:25, 27:9, 38:5, 38:12, 38:23, 39:7, 50:13, 50:15, 50:21, 51:7, 51:9, 51:14, 52:6, 52:9, 52:13 Storage - 22:5, 22:20, 23:18, 39:13, 50:22, 65:7, 65:11, 65:16, 65:20, 66:3 store - 43:21, 52:15 stored - 50:16, 51:13 storing - 32:9 storm - 11:16 straight - 42:17 stream - 10:3, 17:11, 19:12, 79:21 streamflow - 10:3, 11:8 streamflows - 32:12 Street - 1:22 stretched - 18:24 strictly - 26:17 strongly - 54:21 structures - 19:13 studies - 18:10, 20:11, 21:8, 24:13, 28:14, 64:24, 84:17, 93:1 Study - 19:25, 20:15, 20:20, 21:3, 35:15, 35:18, 64:20, 67:15, 67:17, 67:24, 68:3, 74:11, 80:9, 81:1, 84:12, 84:25,	85:6, 85:15, 91:7, 92:1, 93:6, 95:8 study - 20:8, 20:19, 20:23, 21:5, 22:15, 22:22, 26:15, 26:17, 26:20, 26:23, 35:23, 39:21, 46:2, 46:7, 55:3, 67:19, 74:23, 76:13, 77:16, 80:14, 80:22, 81:11, 90:16, 90:17, 92:3, 92:6, 92:12, 93:2, 93:4, 93:9, 93:19 studying - 20:14 subaccount - 65:13 subject - 44:8, 72:8, 90:1 submission - 40:21 submit - 12:24, 46:18 submitted - 64:6, 83:5 subsequent - 12:23, 75:14, 78:21, 81:11 subsequently - 50:17, 52:21 substance - 37:6, 94:14 substitute - 69:2 success - 56:21 successful - 36:11 suffering - 52:23 sufficient - 78:6, 78:8 sufficiently - 94:5 suggest - 41:17, 78:19 suggested - 86:8 suggesting - 62:7, 73:2, 77:13, 77:20 suggestion - 50:3, 71:6, 74:25, 77:18 suggestions - 65:18 Suggestions - 69:10 suggests - 65:9 suitable - 94:6 Sullivan - 6:4 sum - 53:1 summaries - 13:9 summarize - 63:24 summary - 64:4, 64:5, 83:4, 83:5 summer - 6:23, 52:6, 52:9, 56:17, 65:20 super - 94:15 superseded - 44:6 supply - 20:6, 34:22, 57:17, 72:2 support - 32:2, 80:9 supporting - 81:1 supportive - 23:15 suppose - 96:6 surfaced - 71:22 Survey - 5:17, 6:4, 9:25, 10:8, 35:16 Susan - 5:5, 14:24 suspicion - 54:23 system - 8:15, 38:16, 44:6, 44:15, 79:18, 81:23 systems - 13:2	tabulated - 31:23 tailgate - 15:3 Talarico - 5:12 talks - 89:21 Tamarisk - 18:13, 24:25, 25:3, 25:9, 28:7, 35:24, 36:2 Tamarix - 36:12, 37:9 Taylor - 5:22 team - 16:1 technical - 21:9, 34:23, 78:14 technically - 89:19 technology - 79:19 telephonic - 77:24 temporal - 12:15 tender - 50:1 tendering - 62:2 tentatively - 73:17 term - 13:11, 16:2, 37:10, 38:22, 41:16, 41:18 terms - 13:11, 26:4, 29:12, 41:25, 45:7, 45:15, 56:2, 76:11, 90:14, 90:19, 90:20 Terry - 5:10 themselves - 3:17, 34:3, 60:8 theory - 88:25 therefore - 14:11 thinking - 75:6 third - 12:1, 24:24, 35:20, 68:7, 93:14 thirty - 11:14 thirty-three - 11:14 Thomas - 5:25 Thompson - 30:25, 31:2 thoughts - 90:22 three - 7:15, 11:14, 22:3, 25:4, 25:13, 27:4, 27:6, 28:14, 29:18, 45:13, 52:6, 52:9, 54:17, 64:11, 72:18, 90:11, 90:13, 90:14, 90:25, 91:6, 91:10 throughout - 16:14 Thursday - 17:8 timeliness - 72:13 timely - 65:6, 95:19 today - 15:18, 27:14, 30:21, 31:7, 48:15, 48:24, 53:5, 55:13, 55:25, 74:5, 76:4, 78:6, 78:21 Todd - 4:18, 14:23 together - 29:16, 55:20, 57:9, 64:11, 64:21, 77:15, 80:7 Tom - 2:15, 4:1, 6:1, 75:11, 75:17, 76:20, 79:6, 79:9, 79:10, 80:23, 81:3, 81:8, 83:14, 88:4 Tom's - 90:20 took - 32:23, 89:10 tool - 59:24 tools - 57:14, 57:20, 57:21 Topeka - 3:20, 4:6, 4:15, 5:1, 80:16 topic - 34:7 topographic - 20:23, 21:6 total - 12:1, 37:19, 50:13, 50:16, 51:12, 51:20, 53:1, 68:1	totaling - 52:12 touch - 31:11, 56:1, 59:15 touches - 56:15 tour - 6:23, 53:14 towards - 53:10, 56:7, 60:5, 80:4, 97:16 town - 15:20, 20:22 towns - 20:21 track - 46:22, 59:24 tracked - 46:12 traditionally - 28:24 transcript - 50:7, 98:11 Transfer - 31:21 transfer - 51:1 transferred - 51:5 Transit - 35:15, 35:18, 64:20, 67:14, 67:17, 67:24, 68:3, 74:10, 84:12, 84:25, 85:6, 85:15, 91:25, 93:6, 95:7 transit - 51:2, 51:3, 51:25, 52:23, 54:7, 54:13, 54:21, 54:25, 57:14, 58:3, 58:11, 58:12, 58:16, 58:18, 76:17, 79:24 transmountain - 30:25 Transportation - 21:7 travel - 96:13 traveling - 15:14 Treasurer - 83:9 treasurer - 45:8 treated - 41:21, 42:16 treatment - 41:10, 41:22 trees - 36:6, 36:10, 37:7 trend - 14:6, 14:8 Tri - 98:19 Tri-state - 98:19 tributaries - 21:5 tributary - 20:4 trigger - 91:8 Trinidad - 16:17, 16:18, 16:24, 31:5, 31:8, 34:9, 35:15, 81:22, 82:1 trouble - 9:15, 90:2 Truan - 5:7 truly - 33:10 trunks - 37:6 try - 7:16, 8:18, 9:14, 13:6, 16:1, 26:9, 41:6, 54:9, 55:6, 57:9, 71:3, 71:23, 80:3, 80:21, 91:4, 95:18 trying - 9:9, 19:1, 71:25, 85:21, 85:25 Tunnel - 37:20 turbulence - 17:20 turn - 7:24, 48:5 Turquoise - 22:23, 39:22 twice - 53:13 Twin - 52:21 Two - 41:20, 92:24 two - 9:3, 9:5, 10:6, 10:19, 11:25, 12:3, 12:8, 12:19, 14:14, 19:18, 22:25, 23:9, 24:1, 30:25, 34:21, 35:9, 35:19, 49:1, 49:16, 52:10, 56:11,	57:1, 57:2, 58:11, 58:17, 61:22, 64:8, 66:2, 75:18, 79:21, 84:7, 84:9, 84:14, 84:15, 84:16, 85:4, 85:7, 85:13, 89:21, 90:10, 91:14, 91:17, 91:23 two-fold - 34:21 Tyner - 6:9, 64:14 type - 43:25 types - 57:2
U				
ultimately - 53:21 unable - 26:10, 51:24 unanswered - 26:19 uncertainty - 49:16 Under - 21:1 under - 10:4, 10:9, 13:1, 18:11, 18:14, 21:15, 41:20, 45:16, 45:20, 63:25, 65:10, 67:21, 68:15, 72:10, 72:21, 74:16, 75:20, 84:25, 85:4 underestimated - 32:23, 32:25 understood - 23:24, 63:8, 63:9, 74:16 unfavorable - 56:23 Unidentified - 8:22, 72:1, 72:10, 72:14, 92:18 unintelligible - 11:20, 14:9, 19:2, 27:14, 31:12, 37:15, 37:19, 78:4, 81:18, 82:8, 88:13, 92:23 Unintelligible - 86:20 unique - 29:24 United - 29:19 unless - 53:5, 88:19, 91:2, 97:9 unreliable - 16:23, 18:1 unresolved - 26:2 untreated - 42:16 Up - 51:12 up - 3:9, 6:12, 6:13, 6:14, 6:20, 7:21, 7:22, 8:1, 8:5, 8:14, 8:18, 15:3, 15:10, 25:9, 26:17, 29:6, 31:22, 38:7, 40:24, 51:3, 66:8, 67:4, 67:24, 72:24, 73:19, 75:4, 78:10, 79:7, 80:17, 89:19, 94:11, 94:20, 95:14, 97:10 update - 23:12, 35:13, 38:7 updated - 64:8 Upstream - 66:3 upstream - 4:2 urgency - 58:17 useful - 92:8 users - 22:12, 35:3, 57:16 uses - 20:23, 21:5 Usgs - 10:4, 11:7, 12:2, 12:19, 17:9, 17:18, 17:20, 17:25, 18:3, 35:19, 83:18 utilize - 27:8				
V				

Valley - 4:16, 5:6, 8:24, 15:16, 25:5, 40:5 valley - 6:24, 7:4, 9:10, 9:19, 9:20, 9:21 valuable - 37:11 value - 11:10 Van - 5:7 variability - 12:11, 12:15 variable - 10:13 varies - 47:13 variety - 27:13 various - 28:11, 35:6, 40:4, 44:11 Veech - 41:14 Vehmas - 5:15, 34:1 verifiable - 18:5 verification - 32:1, 79:18, 81:23, 82:3, 82:4 versions - 41:20 versus - 15:22 vetted - 67:25 viable - 37:9 Vice - 7:25, 8:6, 83:8 view - 62:20, 66:17 Viii - 20:18, 21:3 virtue - 44:9, 44:10 Vis - 45:17 visit - 25:25 visited - 75:11 visiting - 19:15 voice - 8:18 volumes - 49:16 vote - 63:13 voted - 32:2 votes - 29:22, 96:23, 96:25	8:20, 8:24, 16:3, 17:8, 20:16, 21:23, 31:4, 35:14, 37:12, 39:4, 41:3, 48:17, 51:23, 65:5, 65:10, 65:15, 79:17 waters - 50:21 watershed - 20:8, 20:10 ways - 40:4, 76:2 weather - 42:20 web - 46:16, 46:22 website - 46:12, 46:20 Wednesday - 17:3 week - 22:25, 59:11, 59:12 week's - 73:12 weekend - 15:5 weeks - 22:25, 23:6, 68:1 welcome - 46:17 Wendy - 93:13 west - 37:14, 37:18 western - 29:19 wet - 57:15 whack - 86:3 whole - 22:17, 29:19, 59:21, 81:15, 87:17 wide - 25:9, 25:12, 28:23, 28:25 wider - 63:15 wife - 15:6, 48:15 Wild - 10:25, 11:10 Wildhorse - 10:11, 11:13, 11:14, 11:18, 11:19, 79:22 Wildlife - 79:16 Williamsburg - 20:21 Williamson - 6:1, 6:2 willing - 72:19, 75:18, 76:19 willingness - 7:15 Wilson - 5:13, 34:2 Winter - 65:5, 65:10, 65:15 winter - 15:17, 50:15, 50:22, 50:23 wish - 46:18 Witness - 98:14 Witte - 4:9, 48:8, 48:10, 48:11, 48:21, 50:8, 55:9, 64:13, 83:10 Witte's - 60:4 wonder - 71:11, 71:12 wondering - 74:13, 74:24, 77:11, 97:15 Woodka - 4:25 Woods - 6:2 word - 15:22, 24:16, 91:13 words - 35:24, 39:15 Works - 42:8 works - 16:22, 17:11, 17:15, 17:21, 17:24, 18:1, 18:8 worse - 8:17 worth - 73:12, 73:16 wrap - 38:7, 91:4 wrestling - 15:15 write - 67:3 written - 23:2, 64:4, 70:13, 83:4, 83:5 wrote - 29:6	Y yards - 18:7 year - 7:19, 7:22, 7:23, 8:15, 9:13, 9:17, 12:14, 12:22, 13:14, 14:14, 14:16, 15:15, 17:1, 22:5, 22:7, 23:22, 24:18, 24:19, 24:23, 25:14, 25:18, 26:4, 26:8, 29:2, 29:3, 31:10, 32:4, 34:18, 35:4, 37:13, 38:10, 38:23, 39:17, 50:13, 51:10, 51:12, 58:3, 58:7, 59:4, 59:23, 60:12, 60:23, 61:6, 63:15, 79:23, 80:1, 80:3, 80:15, 83:1, 83:8, 83:13, 91:22 Year - 37:12, 49:3, 50:12, 52:25, 53:13, 57:25, 60:10 year's - 37:23 years - 7:15, 9:3, 9:5, 13:10, 14:9, 14:15, 23:9, 27:6, 31:17, 34:20, 35:17, 35:20, 40:14, 40:19, 41:20, 48:17, 48:23, 52:9 years' - 33:9 yelled - 37:21 Yesterday - 48:25 yesterday - 19:15, 50:10, 53:3, 53:7, 54:4, 55:22, 58:4, 59:11, 59:12, 64:14, 75:7, 79:12, 81:24, 82:20, 83:4 young - 15:10 yourself - 3:11
W wait - 94:22 waiting - 23:4, 23:10, 25:6, 95:19 walk - 15:4 Wang - 4:18, 14:23, 21:20 wants - 88:20 Warda - 40:7, 42:22 warranted - 55:2, 95:8 Washington - 29:18 wasted - 77:15 water - 9:6, 9:7, 9:10, 9:19, 12:11, 12:12, 13:9, 13:22, 17:22, 17:23, 20:6, 22:8, 27:19, 31:9, 31:10, 31:23, 32:1, 33:17, 34:22, 35:3, 35:18, 37:13, 37:17, 38:13, 38:17, 38:24, 39:7, 40:23, 41:3, 41:21, 41:22, 42:16, 42:20, 43:22, 44:8, 44:13, 44:14, 47:21, 47:22, 50:22, 50:23, 51:1, 51:18, 51:23, 52:17, 56:16, 56:20, 56:25, 57:2, 57:3, 57:5, 57:11, 57:15, 57:16, 57:17, 64:8, 65:10, 65:12, 79:15 Water - 3:22, 4:1, 4:4, 4:5, 4:9, 4:14, 4:16, 5:6, 5:8, 5:18, 5:20, 5:22, 5:23, 5:24, 5:25, 6:5, 6:8, 6:9,	20:21 Williamson - 6:1, 6:2 willing - 72:19, 75:18, 76:19 willingness - 7:15 Wilson - 5:13, 34:2 Winter - 65:5, 65:10, 65:15 winter - 15:17, 50:15, 50:22, 50:23 wish - 46:18 Witness - 98:14 Witte - 4:9, 48:8, 48:10, 48:11, 48:21, 50:8, 55:9, 64:13, 83:10 Witte's - 60:4 wonder - 71:11, 71:12 wondering - 74:13, 74:24, 77:11, 97:15 Woodka - 4:25 Woods - 6:2 word - 15:22, 24:16, 91:13 words - 35:24, 39:15 Works - 42:8 works - 16:22, 17:11, 17:15, 17:21, 17:24, 18:1, 18:8 worse - 8:17 worth - 73:12, 73:16 wrap - 38:7, 91:4 wrestling - 15:15 write - 67:3 written - 23:2, 64:4, 70:13, 83:4, 83:5 wrote - 29:6	Z zero - 9:17

Exhibit A

ATTENDANCE LIST

2004 ARKANSAS RIVER COMPACT ADMINISTRATION ANNUAL MEETING

Tuesday, December 14, 2004, 8:30 a.m. (MST) Lamar Community Building, Lamar, Colorado

NAME	REPRESENTING	ADDRESS	PHONE & FAX	EMAIL
KEVIN SALTER	KS DWR/KDA	2508 JOHN GARDEN CITY KS	(620) 276-2901	ksalter@kda. state.ks.us
MARK RUDE	KS DWR/KDA	GARDEN CITY	"	MRUDE@KDA.STATE. KS.US
Leland E. Rolfs	KS Dep. of Ag.	Topeka, KS	(785) 296-4616	lrolfs@kda.state.KS.us
Dale Book	Sprink Water Engineers	100 Logan St DENVER CO 80203	(303) 861-9706	dabook@sprinkwater.com
JOHN DRAPER	KANSAS	PO Box 2307 SANTA FE, NM 87504	505-986-2525 505-982-4289(fax)	jdraper@montand.com
Steve Witte	ARCA Ops Sec./CDWR	310 E Alameda, 86001	(719) 542-3368	steve.witte@state.co.us
HAL SIMPSON	Colorado State Engineer	1313 Sherman Denver CO 80203	303.866.3581	hal.simpson@state.co.us
Ken Knox	Colorado SEO	1313 Sherman St. Denver, CO 80203	303.866-3581	Ken.Knox@state.co.us
Dennis Montgomery	State of Colorado	1441 18th St. #100 Denver, CO 80202	303.296-8100	
Steve Miller	Colorado Water Cons.	1313 Sherman St #721 Denver CO 80202	303-866-3532 (F) 866-4474	Steve.Miller@state. CO.us
David Barfield	KS DWR/KDA	109 SW 9th St Topeka, KS 66612	785-296-3830 Fax 1176	dbarfield @ Kda.state.ks.us

ATTENDANCE LIST 2004 ARKANSAS RIVER COMPACT ADMINISTRATION ANNUAL MEETING
Tuesday, December 14, 2004 8:30 a.m. (MST) Lamar Community Building, Lamar, Colorado

NAME	REPRESENTING	ADDRESS	PHONE & FAX	EMAIL
BART MENDENHALL	Lower Arkansas Valley CCA	PO Box 552 Rocky Ford CO 81066	719-294-7606 F-719-294-4202	bartmendenhall@centurytel.net
SANDY RAYL	US Army Corps of Engrs - CSO	1600 Broadway #1070 DENVER CO 80202	(303) 831-6052 (303) 831-6067	SANDY.L.RAYL@USACE.Army.mil
DEBORAH FOLEY	US ARMY CORPS OF ENGINEERS - ALBUQUERQUE	4101 Jefferson Plaza Albuquerque, NM 87109	505-342-3428 FAX: 342-3197	deborah.a.foley@usace.army.mil
LTC TODD WANG	US Army Corps of Engrs	4101 Jefferson Plaza Albuquerque NM 87109	505-342-3432	todd.wang@us.army.mil
Carol Angel	Colo Dept. of Law	1525 Sherman St 5th Fl Denver CO 80203	303-866-5016 Fax 303-866-3558	carol.angel@state.co.us
Chris Woodka	Pueblo Chieftain	PO Box 4040 Pueblo, Co 81003	303-544-8214	cwoodka@Chieftain.com
DAN MAXFIELD	Kearny Co. Farmers Amazon Canal	Box 270 LAKIN, KS	620-272-6580	wood@whit.com
Hal Schuerman	Kearny Co Farmers Irrigation Association	PO Box 222 Deerfield KS 67838	620-420-0073	
Steven Hines	Frontier Ditch Co	PO Box 147 Coolidge, KS 67836	620-372-8241	
Kent Askren	Ks Farm Bureau	800 SW Jackson Suite 1300 Topeka KS 66612	785-234-4535	askrenk@kfb.org
Don Steerman Shinn, Steerman + Shinn	Dist 67 Irr. Canals Assoc Kearny Canal Buffalo Canal	P.O. Box 390 Lamar, CO 81052	(719) 336-4313 (719) 336-4315	Shinn.steerman@centurytel.net

ATTENDANCE LIST 2004 ARKANSAS RIVER COMPACT ADMINISTRATION ANNUAL MEETING
Tuesday, December 14, 2004 8:30 a.m. (MST) Lamar Community Building, Lamar, Colorado

NAME	REPRESENTING	ADDRESS	PHONE & FAX	EMAIL
Russ Livingston	Livingston Professional Services/Hydrologic Sciences	1109 Northridge Ct. Golden, CO	303-919-4411	Livingston-LLC@Hotmail.com
DEAN E. GARCIA	U.S. ARMY CORPS OF ENGINEERS	4101 JEFFERSON PLAZA, ALBUQUERQUE NM 87109	505 342 3380 FAX 342-3125	DEAN E. GARCIA @USACE.ARMY. MIL
Susan Champagne	U.S. Army Corps of Engineers	4101 Jefferson Plaza NE Albuquerque, NM 87107-3135	(W) 505-342-3602 (FAX) 505-342-3607	Susan.Champagne@ usace.army.mil
Gary March	Gowanus Valley Water Conservancy Dist	8725 Rd NW Lamar, CO 81052	Fax 719-336-8210 ph 719-336-3895	
VAN TRUAN	U.S. ARMY CORPS OF ENGINEERS	720 N. Main St. Rm 300 Pueblo, Colo 81003	719-543-6915 719-543-9475	van.truan@usace.army. mil
Mike Meyer	KS Dept. Ag Division Water Res.	2508 JONES ST. Garden City	620-276-2801	—
David W. Anderson	RDA DWR	11	11	—
Bill GRASMICK	LAWMA	Lamar CO	719 336 9696	
TERRY HOWLAND	Amity	204 S main P.O. Box 187 Holly Co.	719-537-6627 FAX SAME	—
Niles Stansfield	New Amity, Inc.	6405 Constellation Dr Fort Collins, CO 80525	(W) 970/416-5957 (Fax) 970/484-7900	—
Mary Talarico	New Amity, Inc.	712 W. Swallow Ft. Collins	970 498-0508	—

ATTENDANCE LIST 2004 ARKANSAS RIVER COMPACT ADMINISTRATION ANNUAL MEETING
Tuesday, December 14, 2004 8:30 a.m. (MST) Lamar Community Building, Lamar, Colorado

<u>NAME</u>	<u>REPRESENTING</u>	<u>ADDRESS</u>	<u>PHONE & FAX</u>	<u>EMAIL</u>
Malcolm Wilson	Bureau of Reclamation	11056 W. Co Rd 18E Loveland CO 80537	970-962-4362 970-663-3212	mwilson@jpr. usbr.gov
Brian Person	"	"	970-962-4300	bperson@jpr. usbr.gov
Lisa Vehmas	"	"	970-962-4369	L.Vehmas@jpr. usbr.gov
Jodi Gould	"	"	970 962-4323	jgould@jpr.usbr.gov
Pat ...	U.S. Geological Survey	201 W. 8th St Pueblo, CO 81001	719 544-7157 x130	pedelmon@usgs.gov
Richard Mehren	Lower Arkansas Water Management Association	P.O. Box 1440 Boulder, CO. 80502	(303) 443-6782 (p) (303) 443-8796 (f)	rmehren@ mwhw.com
DAVID L. HARRISON	"	"	"	dharrison@mwhw.com
"	CO DWR	310 E Abriendo Ave. Suite B Pueblo, CO 81006	(719) 542-3368	monique.morgan@state.co.us
Don Taylor	"	Box 767 La Junta, CO 81050	(719) 384-1000	Don.Taylor@state.co.us
Joe Flores	"	310 E ABRIENDO PUEBLO, CO 81006	719 542-3368	jflores@state.co.us
Thomas W. Key	"	310 E Abriendo State Pueblo, CO 81006	(719) 542 3368 x2114	thom.w.key@state.co.us

ATTENDANCE LIST 2004 ARKANSAS RIVER COMPACT ADMINISTRATION ANNUAL MEETING
Tuesday, December 14, 2004 8:30 a.m. (MST) Lamar Community Building, Lamar, Colorado

<u>NAME</u>	<u>REPRESENTING</u>	<u>ADDRESS</u>	<u>PHONE & FAX</u>	<u>EMAIL</u>
Tom Williamsen	Helton & Williams PC	384 Inverness Pkwy Englewood CO 80112	303 792 2161 303 792 2165 fax	
Eve Woods	Colo Dept. Law	1525 Sherman St, Ste Denver 80203	303 866 5072 3958	eve.woods@ State.CO.US
Nathan Sullivan	U.S. Geological Survey	1390 E. 8th St, B Hays, KS 67601	785-628-8918	nsullivan@usgs.gov
Bill Howland	Retired Colo. Div. Wtr Resour	1640 W. 6th Las Animas Co 81054	719-456-0097	bishowland@cmnet.net
Elsie Howland		11	11	11
DON HIGBEE	LAWMA	P.O. Box 1161 Lamar	719 336 9696	lawma@cmnet.net
Bob Arambel	NRES/SCD	33991 CRL Holly CO. 81047	719-537-9505	ARAMBEL@RURAL.com
DAN NECHOLD	COLO DWR	60240 RD 12 LAMAR CO 21052	719-336-5364	
BILL TYLER	COLO DWR	301 F 100th RD 211 F 100th RD	719-542-3367	tyler@state.co.us

Exhibit B

ARKANSAS RIVER COMPACT ADMINISTRATION

112 WEST ELM STREET, LAMAR, COLORADO 81052

719-336-2732

FOR COLORADO

ROD KUCHARICH, DENVER

JAMES G. ROGERS, LAMAR

THOMAS R. POINTON, LAS ANIMAS

CHAIRMAN AND FEDERAL REPRESENTATIVE

ROBIN JENNISON

HEALY, KANSAS

FOR KANSAS

DAVID L. POPE, TOPEKA

RANDY HAYZLETT, LAKIN

DAVID A. BRENN, GARDEN CITY

**NOTICE & AGENDA
2004 ANNUAL MEETING
ARKANSAS RIVER COMPACT ADMINISTRATION**

**LAMAR, COLORADO
TUESDAY, DECEMBER 14, 2004,
8:30 A.M. (MST)**

**LAMAR COMMUNITY BUILDING
610 SOUTH SIXTH STREET
LAMAR, COLORADO**

The 2004 Annual Meeting of the Arkansas River Compact Administration will be held in Lamar, Colorado, at the time and place noted above. The Lamar Community Building is located at 610 South Sixth Street, in Lamar, approximately six blocks South of the railroad, and two blocks West of Highway 50 via Parmenter Street. The meeting will be recessed for lunch at about 12:00 P.M. and reconvened for the completion of business in the afternoon as necessary. Meetings of the Administration are operated in compliance with the federal Americans with Disabilities Act. If you may need a special accommodation as a result of a disability please contact Jan Anderson at 719-336-2732 at least three days before the meeting.

The Engineering, Operations, and Administrative/Legal Committees of the Administration will meet on Monday, December 13, 2004, also at the Lamar Community Building, beginning at 1:00 P.M. MST and continuing to completion at approximately 6:00 P.M. Tentative agendas for the Committee meetings follow. The public is welcome to attend the Committee meetings, but time for comments may be limited.

The tentative agenda for the Annual Meeting, which is subject to change, is also set out below.

MONDAY, DEC. 13, 2004, 1:00 P.M. (MST)
ARCA ENGINEERING COMMITTEE MEETING

TENTATIVE AGENDA (subject to change)
Chairman Tom Pointon

1. Review committee agenda and procedure for minutes and/or committee report preparation
2. Items currently before Committee [a listing of items for review purposes only, no presentations or actions proposed at this committee meeting on these issues, unless listed elsewhere on this agenda]
 - a. Colorado request for new water source to JMR permanent pool
 - b. Permanent pool evaporation calculation and apportionment
 - c. Purgatoire River Water Conservancy District / Trinidad Project:
 - (1) Trinidad Project and District operations
 - (2) Acreage Verification System development
 - (3) Proposed amendments to Trinidad Project Operating Principles
 - d. Other
3. Other matters
4. Summary of action items
5. Committee assignments to staff
6. Future Meetings
7. Adjourn

MONDAY, DEC. 13, 2004, 1:30 P.M. (MST)
ARCA OPERATIONS COMMITTEE MEETING

TENTATIVE AGENDA (subject to change)
Chairman David Brenn

1. Review committee agenda
 - a. Review and revise agenda as necessary
 - b. Designate two non-participants to prepare a written summary of meeting. (Written summary will include listing of issues addressed, any resolution or additional information requested, a list of "Action Items," Operations Committee Assignments, the person responsible for each assignment and any deadline(s) imposed).
2. Items currently before Committee [a listing of items for review purposes only, no presentations or actions proposed at this committee meeting on these issues, unless listed elsewhere on this agenda]
 - a. Accounting and operations issues from prior years per "Matrix"
 - b. State issues paragraphs regarding Category "C" issues submitted Nov. 1, 2004
 - c. Other
3. Reports of Operations Secretary and Assistant Operations Secretary
 - a. Operations Secretary, Steve Witte
 - b. Assistant Operations Secretary, Mark Rude
 - c. Committee recommendations re reports
4. Status Report Colorado Offset Account operations, by Colorado Division Engineer, Steve Witte
5. Accounting and Operations Issues from Prior Years
 - a. Accounting and operations issues from prior years per "Matrix"
 - b. State issues paragraphs regarding Category "C" issues submitted Nov. 1, 2004
6. Other matters
 - a. Livingston Transit Loss Study Proposal - Arkansas River, JMR to Stateline
 - b. Review and ratify Oct. 5, 2004, memos referring issues to Admin & Legal Comm.
 - c. US Army Corps' explanation of Trinidad Reservoir flood release rates August 2004
7. Summary of action items
8. Committee assignments to staff
9. Future Meetings
10. Adjourn

MONDAY, DEC. 13, 2004, 4:00 P.M. (MST)
ARCA ADMINISTRATIVE & LEGAL COMMITTEE MEETING
TENTATIVE AGENDA (subject to change)
Chairman Randy Hayzlett

1. Review committee agenda and procedure for minutes and/or committee report preparation
2. Items currently before Committee [a listing of items for review purposes only, no presentations or actions proposed at this committee meeting on these issues, unless listed elsewhere on this agenda]
 - a. Financial matters
 - b. Minutes and Annual Reports preparation and approval
 - c. Referred items
 - d. Other
3. Items Referred from Operations Committee
 - a. Records retention
 - b. Issue 52 Upstream storage of flood flows
 - c. Issue 60 Agreement "B"
4. Recording Secretary Items
 - a. Review personnel services contract
 - b. Replacement of current Recording Secretary
5. Financial Matters:
 - a. Audit Report, review and approval of FY 03-04 Report (7/1/03-6/30/04)
 - b. Treasurer Report
 - c. Budget review and adoption
 - (1) Review of current fiscal year (2004-05) budget
 - (2) Funding special studies/projects
 - (3) Approval of USGS Cooperative Agreements for gaging network
 - (4) Review of previously adopted FY 2005-06 budget and assessments
 - (5) Adoption of FY 2006-2007 budget and assessments
6. Status of Transcripts and/or Summaries from Prior Meetings:
 - a. Annual Meetings: 1993, 1998, 1999, 2000, 2001, 2002, May 2003, Dec. 2003
 - b. Special Meeting Minutes
 - c. Clarification of Administrative & Legal Committee's role in approving minutes
7. Annual Report Preparation
 - a. Status of uncompleted reports from 1994-2002
 - b. Process to complete backlog and for future years
 - c. Clarification of Administrative & Legal Committee's role in approving reports

ARCA ADMINISTRATIVE & LEGAL COMMITTEE MEETING Continued

8. Other Matters
 - a. Information report on future or potential water quality studies
9. Review Annual Meeting Agenda
10. Summary of action items
 - a. Proposed slate of Officers (Vice-Chairman, Recording Secretary, Treasurer, Operations Secretary and Assistant Operations Secretary)
 - b. Proposed appointment of Committee members
 - c. Budget and audit recommendations
11. Committee assignments to staff
12. Future Meetings
13. Adjourn

TUESDAY, DEC. 14, 2004, 8:30 A.M. (MST)

2004 ANNUAL MEETING

LAMAR COMMUNITY BUILDING

TENTATIVE AGENDA (subject to change)

1. **Call to Order:** Federal Representative, Robin Jennison
2. **Introductions of Representatives and Visitors**
3. **Review and Revision of Agenda**
4. **Reports of Officers for Compact Year 2004:**
 - a. Chairman: Robin Jennison
 - b. Vice-chairman: David Pope
 - c. Recording Secretary: Jan Anderson [defer to agenda item 9]
 - d. Treasurer: Jim Rogers [defer to agenda item 9]
5. **Reports from Colorado Water Conservancy Districts**
 - a. Southeastern Colorado Water Conservancy District
 - b. Lower Arkansas Valley Water Conservancy District
6. **Reports of Federal Agencies:**
 - a. U.S. Geological Survey
 - (1) Review of ongoing technical studies
 - (2) Gaging effort and costs
 - b. U.S. Army Corps of Engineers
 - c. U.S. Bureau of Reclamation
7. **Report of Operations Committee**
 - a. Reports of Operations Secretary and Assistant Operations Secretary for CY2004
 - b. Report from Dec. 13, 2004 Committee Meeting
 - (1) Summary of discussions
 - (2) Written report
 - (3) Committee recommendations re 2004 Operations Secretary and Assistant Operations Secretary Reports
 - (4) Action items for consideration by Administration
 - (5) Administration instructions to the Committee

8. Report of Engineering Committee

- a. Report from Dec. 13, 2004 Committee Meeting
 - (1) Summary of discussions
 - (2) Written report
 - (3) Action items for consideration by Administration
 - (4) Administration instructions to the Committee

9. Report of Administrative and Legal Committee

- a. Report from Dec. 13, 2004 Committee Meeting
 - (1) Summary of discussions
 - (2) Written report
 - (3) Action items for consideration by Administration
 - a. Election of Officers for Compact Year 2005
 - b. Appointment of Committee members and chairs for Compact Year 2005
 - c. Financial matters
 - 1. Audit Report
 - 2. Budget review and adoption
 - d. Approval of minutes from previous meetings
 - e. Annual report procedures
 - f. Other
- b. Administration instructions to the Committee
 - (1) approval of transcripts and/or summaries from prior meetings
 - (2) approval of annual reports

10. Adjournment

Exhibit C

**Report of U.S. Geological Survey Water-Resources Activities
in the Arkansas River Basin of Colorado
to the
Arkansas River Compact Administration**

December 13, 2004

In 2004, 10 streamflow gages were operated under the USGS/ARCA cooperative program; eight in Colorado and two in Kansas. During 2004, the eight gages in Colorado were prioritized with respect to USGS federal interests. Seven of the eight gages received a designation of 'high' priority. One gage, Wildhorse Creek above Holly, received a medium priority ranking.

Near final annual flows for WY2004 are shown in the attached table. No significant problems were encountered with streamflow records. However, intermittent problems at Big Sandy Creek at Lamar due to construction of beaver dams near the gage continues to occur.

In 2005, the USGS proposes to continue operation of the 10 streamflow gages at a cost to ARCA of \$46,370 of which \$37,070 is for operation of the eight gages in Colorado; and \$9,300 is for operation of two gages in Kansas.

A draft report describing the variability in ground-water discharge pumpage including the effects of time trends and pumping water levels in the lower Arkansas River Valley has been submitted for technical review. Once all review comments are received, the draft will be revised, submitted for approval, and then for publication.

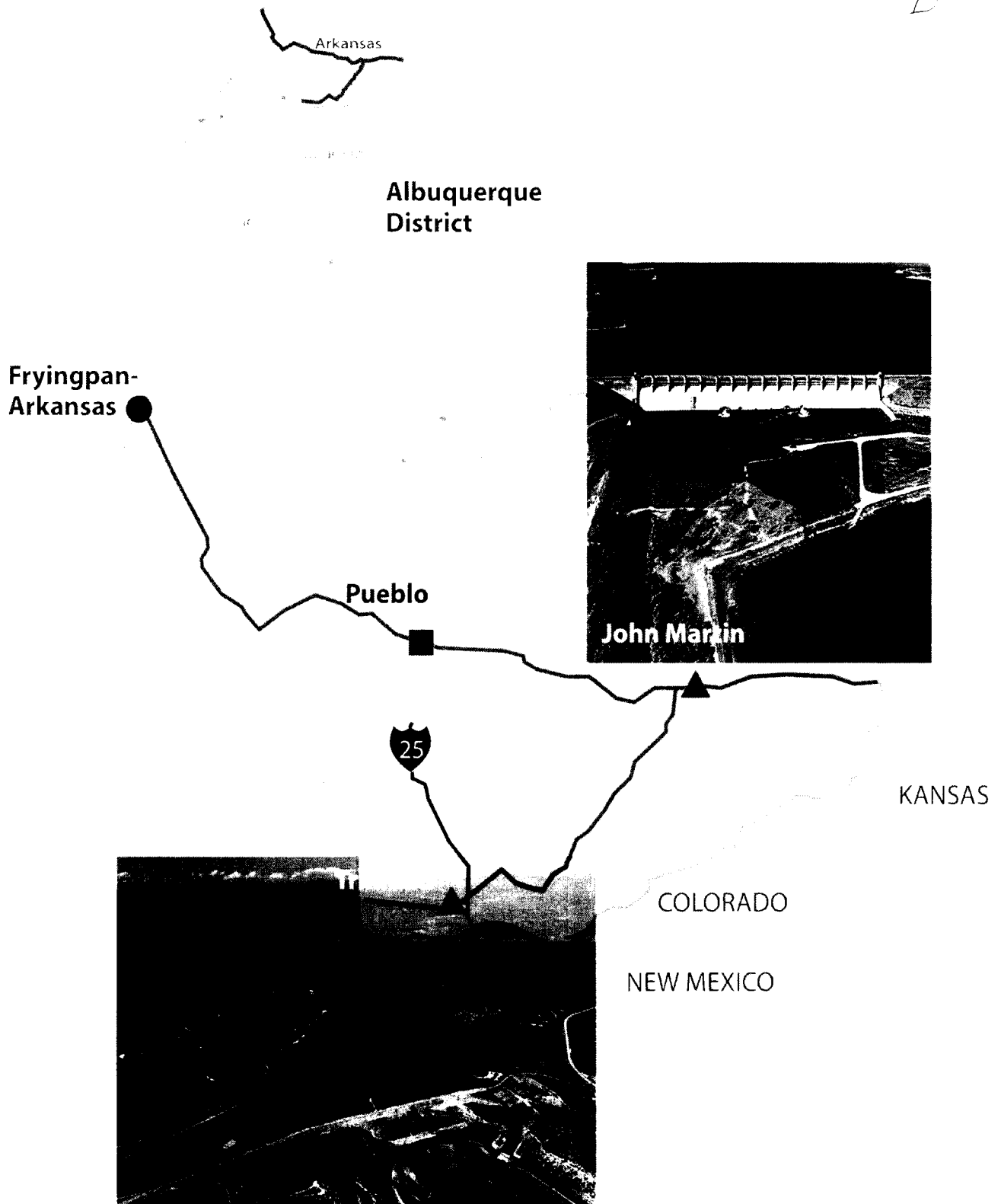
During the summer of 2004, a final set of seepage loss investigations on eight irrigation canals along the Purgatoire River downstream of Trinidad Dam were made. A draft report documenting the results of the seepage losses will be completed and published in 2005.

Summary of Mainstem and Tributary Flows Below John Martin Reservoir,
Water Years 2003 and 2004 (2004 values are near final)

Station Name	WY2003 Annual Flow in Acre Feet	WY2004 Annual Flow in Acre Feet	2004 as % of 2003
Arkansas River below John Martin Reservoir	73,270	152,800	208
Arkansas River at Lamar	12,820	34,630	270
Big Sandy Creek near Lamar	2,030	3,720	183
Arkansas River near Granada	14,680	39,900	272
Wildhorse Cr. above Holly (April 1-October 31) ¹	1,800	3,340	185
Arkansas River near Coolidge	31,850	57,100	179
Frontier Ditch near Coolidge	5,090	9,080	178

Exhibit D

Arkansas River Basin



US Army Corps
of Engineers.
Albuquerque District

Report of Civil Works Activities
2004

1. **General.** During 2004, activities of the U.S. Army Corps of Engineers, Albuquerque District (Corps), in the Arkansas River Basin consisted of reservoir regulation, flood-control related studies, flood plain management services, regulation under Section 404 of the Clean Water Act, and emergency assistance.

2. **Flood Control Operations.** The Arkansas River snowmelt runoff was slightly below normal throughout the entire basin, ranging from 70% to 90% of average. There were no significant flood-control operations at John Martin or Pueblo Reservoirs.

Trinidad Lake –

Heavy rains fell in the area above Trinidad Lake in early August, 2004, producing flows

in excess of 4,500 cfs on the Purgatoire River above the reservoir. It was discovered during flood operations at this time that the outlet works gaging station becomes unreliable for flow measurement when releases from the lake exceed 1,000 cfs.



Trinidad Dam, 2003. USACE photograph.

Historically, Trinidad releases are usually well below 1,000 cfs and have only exceeded this value once, when on May 5, 2004, a release of 1,051 cfs was recorded. The following describes the release operations for this time period:

On Wednesday, August 11, heavy rainfall produced runoff which increased lake elevations 2.5 feet, accumulating over 1,800 acre-feet of storage. The reservoir release at this time was 163 cfs. During the daily coordination meeting on the morning of Thursday, August 12, the Water Commissioner requested a release of 1,300 cfs. The USGS was notified of the release, and they provided a downstream stage for the outlet works gaging station of 8.22 feet to correspond to the requested 1,300 cfs flow.

The release was increased to 1,300 cfs. However, after checking the flow measurement at the outlet works gaging station, it appeared that the release was actually decreasing although the gates had been open to release 1,300 cfs. Fortunately, the USGS was on-site during the day and measured a flow of 1,260 cfs. It was during this release that the USGS determined that the turbulence at the outlet works flip bucket, where the gaging station is located, was having a drawdown effect on the water level in the outlet works gaging station well, thus giving the effect of decreasing flows. Based on this information the USGS deemed the outlet works gaging station unreliable for flows in excess of 1,000 cfs.

The Corps and USGS are currently taking measures to ensure that reliable readings for flows exceeding 1,000 cfs be verifiable, including placing into production an existing secondary gaging station located approximately 100 yards downstream from the outlet works gaging station. The Corps hopes to have this secondary gaging station fully functional in the near future.

3. Planning Assistance to States (Section 22) Program. Under authority of Section 22 of the Water Resources Development Act of 1974 (WRDA), the Corps is authorized to assist non-Federal entities in the preparation of comprehensive plans for the development, use, and conservation of water and related land resources.

There are no new or ongoing studies in the Arkansas Basin under the Planning Assistance to States Program.

4. Continuing Authorities Program. The non-federal sponsor, under both of the following authorities, must contribute 35% of the cost for these projects. This program is available to communities, flood control organizations, and other governing entities. Those having a need for this program should contact the U.S. Army Corps of Engineers, 4101 Jefferson Plaza NE., Albuquerque, New Mexico 87109, telephone (505) 342-3201.

Tamarisk and invasive species can be removed and native species restored under Section 206 and Section 1135 of the CAP authorities. Section 1135 (cost shared 75-25) applies if the spread of the invasive species can be partially attributed to a Corps project. Section 206 (cost shared 65-35) does not have that Corps project requirement. Both programs are funded \$25 million nationally.

a. Section 1135. The 1986 Water Resources Development Act authorized the review of completed water resources projects to implement modifications that improve the quality of the environment, when environmental degradation resulted from the Corps project.

Currently, there are no active Section 1135 projects.



Arkansas River, 2001. Photograph by Van Truan, USACE.

b. Section 206. The 1996 Water Resource Development Act provided authority for aquatic ecosystem restoration projects in areas unrelated to existing Corps water projects.

In October 2001, the Arkansas River Fisheries Habitat Restoration project was approved and a Project Cooperation Agreement was signed with the City of Pueblo in April 2002. The project will improve fish and riparian habitat along ten miles of the Arkansas River downstream of Pueblo Dam. Improvements will include in stream habitat and channel enhancement structures, channel restructuring, and riparian/bank plantings. Construction is ongoing and is scheduled for completion in 2005.

c. Section 14. Under Section 14 of the 1946 Flood Control Act, as amended, the Corps provides emergency streambank protection works to prevent damage to public facilities.

There are two Section 14 projects at Colorado Springs; one at Powers Blvd and one at Chelton Road. The projects are to protect the roadway bridges and involve grade control and slope protection. These projects are on hold pending funding.

d. Section 205. Under Section 205 of the 1948 Flood Control Act, as amended, the Corps is authorized to plan and construct small flood damage reduction projects that were not authorized by Congress.

A Section 205 project at Colorado Springs along Cheyenne Creek. The District has recommended that this become a General Investigation Study, since the costs exceed the Federal funding limitations for a Section 205 project (\$7,000,000 per project).

A Section 205 project at Florence along the Oak Creek, a tributary to the Arkansas River, is in the feasibility stage. The project is being designed to fulfill both flood control and water supply objectives.



Fountain Creek before jetty placement, 2000. Photograph courtesy City of Pueblo, CO.

5. General Investigations. The Corps General Investigations program provides for large comprehensive solutions to complex problems that can explore solutions on a watershed scale. The Fountain Creek watershed study began in 2002 and will be on-going thru 2007.

The project will look at the entire watershed, identifying potential detailed studies involving environmental restoration, flood reduction, socio-economic effects and other factors by studying and generating an Environmental Impact Study and Feasibility document.

6. Flood Plain Management Services. The Corps Flood Plain Management Services (FPMS) Program authority stems from Section 206 of the Flood Control Act of 1960 (PL 86-645), as amended. The objective of the Flood Plain Management Services Program is to support comprehensive floodplain management with technical services and planning guidance at all appropriate governmental and community levels. These services are provided to State, regional, and local governments and Indian tribes at no cost. Section 321 of the Water Resources Development Act of 1990 requires recovering the cost of services provided to Federal Agencies and to private entities. A fee schedule has been established.

Section 202 of the Water Resources Development Act of 1999 (PL 106-53) authorizes the Secretary of the Army to collect funds contributed voluntarily from State, regional, and local governments, Indian tribes, and other non-Federal public agencies for the purpose of recovering the cost of providing services pursuant to Section 206.



Chinook jetty construction, Fountain Creek.
Photograph courtesy City of Pueblo, CO.

Services available include assistance relating to the interpretation and evaluation of basic flood-hazard data, guidance in preparation of floodplain regulations, advice on the use of data regarding possible alternative developments in flood-prone areas, guidance on structural and nonstructural measures that might be employed to reduce flood hazard, and, in some cases, development of basic flood-hazard data.

Governmental agencies or persons having a need for these services should contact the U.S. Army Corps of Engineers, Hydrology and Hydraulics Section, 4101 Jefferson Plaza NE, Albuquerque, New Mexico 87109-3435, telephone 505-342-3323, or consult the FPMS web page at:
<http://www.spa.usace.army.mil/fpms>.

At the request of the Colorado Water Conservation Board, and partially funded by the Federal Emergency Management Agency, Region VIII, the Corps initiated a floodplain delineation study and Flood Insurance Study for Oak Creek through the towns of Williamsburg and Rockvale and for Coal Creek through the town of Coal Creek in Fremont County. The study uses digital topographic mapping developed by the Fremont County Regional GIS Authority.

Under authority of an Interagency Agreement with the Federal Emergency Management Agency, Region VIII, the Corps initiated a Flood Insurance Study for a portion of Black Squirrel Creek and five tributaries in El Paso County. The study uses digital topographic mapping developed by the El Paso County Department of Transportation.

In addition to these studies, the Corps received approximately twenty requests for technical services at specific sites within the Arkansas River Basin.

7. 404 Permits. Section 404 of the Clean Water Act prohibits discharges of dredged or fill materials into waters of the United States, including wetlands, without a permit from the Corps.

In 2004, 14 individual permits were issued in the Arkansas River Basin. An additional 268 activities in the Basin were reviewed during the period and most were covered under nationwide permits. Persons or agencies who are planning to conduct fill or excavation activities in any waterway are advised to contact the Southern Colorado Project Office, 720 North Main, Suite 205, Pueblo, Colorado 81003, (719) 543-9459. Information, including all public notices, is also available on our web home page at: <http://www.spa.usace.army.mil/reg/>.



USACE Emergency Management employee. USACE photograph.

8. Emergency Management Coordination.

Public Law 84-99 gives the Corps of Engineers the authority to assist state and local governments before, during and after flood events.

The Corps' Emergency Management Branch works with Local governments to inspect numerous flood control projects throughout the Arkansas Basin to ensure that these facilities are in proper operational condition for the next flood season. During years with high snow pack, the Corps works with the Colorado Water Conservation Board to prepare for flood fight activities that may be required.

During the past year, the Emergency Management Branch received 3 contacts from local governments and private citizens in the Arkansas River Basin requesting information or assistance regarding flood related activities.

Exhibit E

Exhibit F

ARKANSAS RIVER COMPACT ADMINISTRATION

307 South Fifth Street, Lamar, Colorado 81052
719-336-9696

For Colorado

Rodney Kuharich, Denver
James G. Rogers, Lamar

Thomas R. Pointon, Las Animas

Chairman and Federal Representative

Robin Jennison
Healy Kansas

For Kansas

David L. Pope, Topeka
David A. Brenn, Garden City

Randy Hayzlett, Lakin

December 1, 2004

Mr. James Rogers, Chairman
Mr. David Brenn, Member
Mr. Robin Jennison, Ex-officio Member
Operations Committee
Arkansas River Compact Administration

Re: CY 2004 Summary
Assistant Operations Secretary Report

Gentlemen,

This report is to provide the Operations Committee with a review of the status of operations for CY 2004 from the perspective of the Assistant Operations Secretary. There continued to be significant efforts between the offices of the Operations Secretary (OS) and Assistant Operations Secretary (AOS) to resolve operational issues. This report will review those accomplishments and highlight some items that require additional effort.

Method to Measure Kansas Section II Deliveries

The staffs of the Garden City Field Office and Colorado Water Division 2, the respective State local water officials, began the year with the goal of implementing a trial one year agreement that would provide a definite method to measure Kansas Section II releases. The staffs involved put forth significant efforts towards developing a method: exchanging data and proposals, and meeting on three separate occasions.

On March 24, 2004, the staffs met in Lamar, CO to discuss this measurement method. Discussions centered on a Kansas proposal distributed before the meeting. Various aspects of the proposal were discussed and it appeared concerns expressed by Colorado had been satisfactorily addressed. A draft agreement based on this apparent consensus was then emailed by the Assistant Operations Secretary to the Operations Secretary on March 30th. (*Agreement for Measurement of Kansas Section II Account Release for Determination of Transit Loss*, March 24, 2004). See Attachment A. Colorado negatively responded to this March 24th proposal on July 22nd. See Attachment B. Kevin Salter responded by providing comments in an email to Steve Witte dated July 29th to the concerns in Colorado's July 22nd letter. See Attachment C. No further

discussion have occurred on this issue and the Assistant Operations Secretary remains open to further discussions which would result in an agreement in this matter.

A principal element of the disagreement relates to how Stateline flows, both prior to and after the release, are counted in the measurement of Kansas Section II deliveries.

Dispute and Communication Process

Process: Recommendations were jointly submitted to the Operations Committee concerning *Process to Address and Resolve Interstate Administrative Issues Related to the Arkansas River* by the Operations Secretary and the Assistant Operations Secretary (dated February 26, 2004). These recommendations were discussed with the Operations Committee at the April 13, 2004 meeting in Lamar, CO. The Operations Committee adopted these joint recommendations by letter dated August 19, 2004. See Attachment D.

Issues: Regarding outstanding operational issues, the Operations Committee asked both offices to sort the issues into three categories: “A” issues that can be resolved by staff; “B” issues that need to be addressed by another committee and “C” issues that staffs believe that they have taken as far as they can. This was jointly done and was submitted to the Operations Committee by letter dated February 5, 2004. See Attachment E.

The Operations Committee then asked that those issues be prioritized within two groupings: “A” issues and “B” & “C” issues. Those priorities were submitted to the Committee at the August 19, 2004 meeting by a joint letter of that same date. See Attachment F. The Committee then requested a paragraph for each of the “B” & “C” issues be provided by the staffs detailing the respective State’s position on these issues. This was done separately by each State and submitted by the November 1st deadline. See Attachment G.

Kansas Call for JMR Stored Water

Kansas Run: A call for stored water in John Martin Reservoir (JMR) was initiated on March 26, 2004 by Kansas. Water was called from the Offset Account first, followed by the Kansas Section II account and ended with a short run of Offset Account water that had accumulated during the Section II release. An early release to Kansas was deemed the best opportunity to deliver stored water to the Stateline. This plan for releasing JMR account water was discussed at the March 24th meeting between staffs. A total of 19,345.38 AF was released to Kansas from accounts in JMR during a period of 17 days according to Colorado Division 2’s John Martin Accounting System (JMAS). Table A1 at the end of this document provides flow information for the period between March 19th and April 22nd.

Offset Account water and Kansas Section II water are accounted at the Stateline differently as provided for in the separate resolutions controlling the two different types of releases. The measurement of Offset Account deliveries does not include Stateline antecedent flows. In contrast, Section II deliveries are measured as equivalent Stateline

flow. How these differing types of deliveries are to be accounted for at the Stateline is a continuing source of disagreement between the States.

Kansas requested a 600 cfs release from the Offset Account, starting at 12:00 hour (Mountain) on March 26th and continued until 07:34 hour (Mountain) on April 4th. Antecedent flow conditions at the Stateline were approximately 26 cfs (average of the five (5) days prior to the Kansas call from the Offset Account). A total of 10,406.97 AF were released from the Offset Account during this period according to JMAS. The mean daily flow rate released from the Offset Account at John Martin Reservoir was between 584 cfs and 618 cfs during this period.

Once the Offset Account was exhausted, Kansas Section II water was released with a requested delivery rate of 600 cfs at the Stateline. That release occurred between 07:34 hour (Mountain) on April 4th and 12:12 hour (Mountain) on April 11th. Antecedent flow conditions at the Stateline were approximately 329.60 cfs (average of the five (5) days prior to the call from Kansas Section II). A total of 8,560.86 AF was released from the Kansas Section II Account during this period. The mean daily flow rate released from the Kansas Section II Account at John Martin Reservoir was held at 600 cfs during this period.

Once the Kansas Section II was exhausted, water that had accumulated in the Offset Account (436.06 AF) between the first exhaustion of the Offset Account and the exhaustion of the Kansas Section II Account was then released at a rate of 600 cfs. The second Offset Account release occurred over a nine (9) hour period on April 11th.

Transit Loss Account Release: The use of transit loss account water for this particular run was discussed extensively during the meeting between staffs in Lamar on March 24th. Kansas asked that the Transit Loss Account be used as currently required by the 1980 Operating Plan. The 1980 Operating Plan states that the Transit Loss Account is to replenish any Kansas Section II delivery deficits as the result of transit losses suffered, clearly an operation that occurs after a delivery of Kansas Section II water has been made. Kansas had informed the Colorado Division 2 office that our expectation was that there would not be a concurrent release of Transit Loss Account water.

Emails were exchanged regarding the use of the Transit Loss Account during CY 2004 on April 2nd and April 3rd. See Attachment H. Mr. Witte advised in an email on April 2, 2004, that he would make a concurrent release of Transit Loss Account water with the release of Kansas Section II. The email response to Mr. Witte referenced the significant discussion the two offices had on this point at the March meeting in Lamar. It was also noted that use of the Transit Loss Account should be decided by joint agreement and should be a post-delivery evaluation as prescribed by the 1980 Operating Plan. In his response, Mr. Witte notes (email of April 3rd, Saturday) that "we will simply have to agree to disagree" on this issue and proceeded to release 250 cfs concurrently with the 600 cfs Kansas Section II release over Kansas' objection and without agreement as to the amount of transit loss.

Measurement of Kansas Section II: For measurement of the Kansas Section II release, the Garden City Field Office used the latest proposal discussed between the

offices for CY 2004 (*Agreement for Measurement of Kansas Section II Account Release for Determination of Transit Loss*, March 24, 2004). Basically, the method employs the use of near real time USGS gage data and a three-day lagged measurement period which has the same number of days as the Kansas Section II account release from JMR. This method measures the Stateline delivery of the Kansas Section II release and allows for the determination of any transit losses.

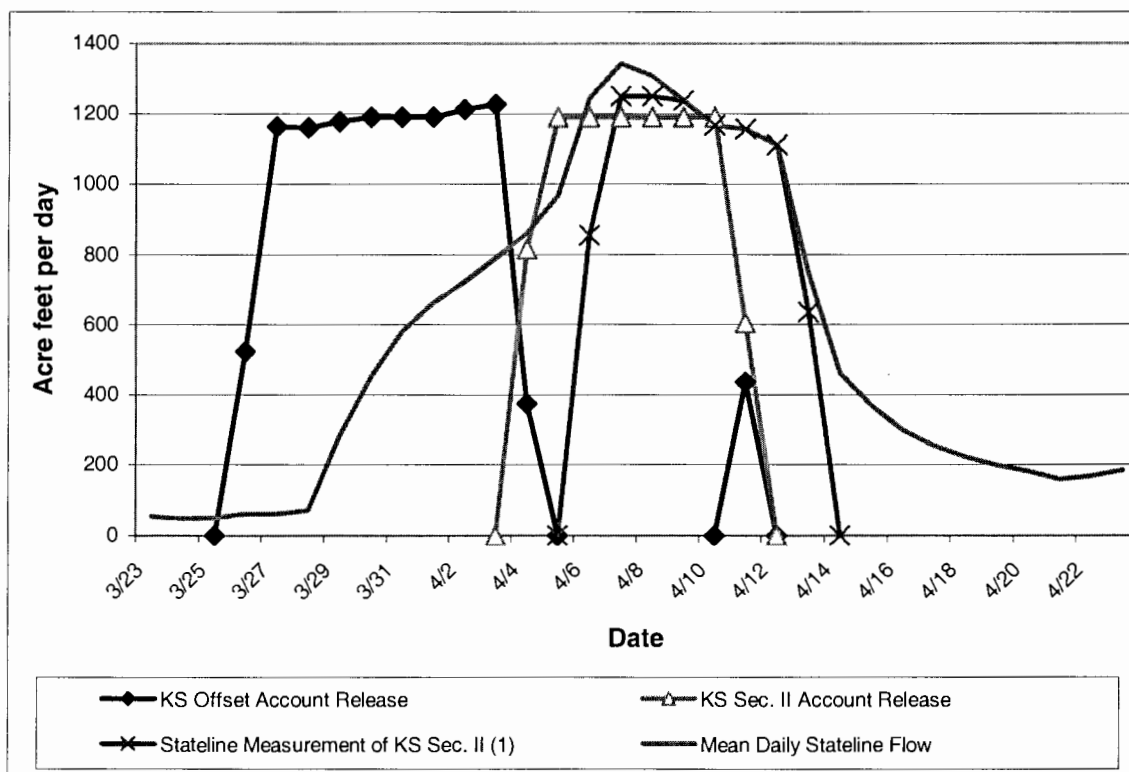


Figure 1: Releases from John Martin Reservoir (JMR), Stateline flow and measured delivery of Kansas Section II account. (1) The measurement of Kansas Section II shown was done consistent with the March 24th proposal.

Using this method, 8,012.23 AF of equivalent Stateline flow was measured at the Stateline. This compares to the 8,560.86 AF released from the Kansas Section II account, or a delivery deficit (transit loss) of 548.63 AF. Notice of this calculated delivery deficit was conveyed to the Operations Secretary on August 23rd for the purpose of having this delivery deficit replenished to the Kansas Section II account from the first water available from the Transit Loss account as prescribed by the 1980 Operating Plan upon the first available delivery of Section III.

Additional Operational & Accounting Concerns

There have been approximately twenty-five (25) operational issues identified by the Operations and Assistant Operations Secretaries. There continue to be numerous concerns with operations and accounting in CY 2003 and earlier years. If a particular issue raised by the Assistant Operations Secretary is not specifically mentioned in this report, it doesn't mean that there are no longer any concerns related to that issue. Until specifically resolved in the record, the issues remain unresolved.

Permanent Pool Delivery: A delivery was made into the permanent pool in August. The water was initially released from Twin Lakes and delivered to JMR. Kansas raised a concern about how this delivery was measured into JMR. The response did not provide any detail on the differences between the presumed delivery and the actual delivery. Additional review of this operation is needed.

Pass-through Accounting (Issue 41): Section II C of the 1980 Operation Plan provides, among other things, "... inflows shall, to the extent practical, be measured and released from the reservoir without temporary storage or averaging flows..." Kansas commends the Operations Secretary for including the pass-through tables in his CY 2003 report. The Assistant Operations Secretary again provided pass-through accounting for CY 2004 with the understanding that it will be included in this year's Operations Secretary report. The pass-through tables provided to the Operations Secretary were based on JMAS and information provided from the USGS and Corps of Engineers. A determination of compliance with Section II C of the 1980 Operating Plan is not possible from the Operations Secretary's report absent this information.

PWWSP Concerns (Issues 21 and 22): Kansas continues to have concerns about how the winter inflows are split between Compact conservation storage and the Pueblo Winter Water Storage Program (PWWSP). Kansas appreciates the Operations Secretary providing the split ratios in prior Operations Secretary reports and requests that this reporting continue. However, the split criteria should be determined in consultation with Kansas and must meet the standards in Section III of the 1980 Operating Plan which prohibits any reduction in waters that otherwise would be inflows to Compact storage.

The current PWWSP began on November 15, 2004. There have been a series of preliminary splits established and reported to Kansas, with the latest split established on November 28th. Kansas needs time to review the operation of this program and will provide concerns to the Colorado Division 2 office later.

CY 2002 Delivery (Issues 30 and 31): The Colorado Division Engineer and the Kansas Water Commissioner agreed that there was a delivery deficit in the Kansas Section II in CY 2002 but could not agree on the amount. The Kansas Water Commissioner calculated a delivery deficit of 4,603 AF and provided notice of this delivery deficit to the Division Engineer by letter dated March 4, 2003. See Attachment I. In that letter, Kansas stated its position that any delivery deficit for Kansas Section II should be replenished to the Kansas Section II account. The Division Engineer unilaterally determined a delivery deficit of 676 AF for Kansas Section II deliveries made in CY 2002. The Division Engineer has not provided an explanation of how the delivery deficit

was determined. (Under the March 24, 2004 proposed method, this transit loss would have been 3,247 AF.)

The delivery deficit, as determined by the Division Engineer (676 AF), was initially placed in the Transit Loss Account on March 15, 2003. This water should have been replenished to the Kansas Section II Account, not the Transit Loss Account. The Kansas position is that any delivery deficits should be replenished to the Kansas Section II account was reiterated in a letter dated August 26, 2003 from Kevin Salter to Steve Witte. See Attachment J. In response, JMAS accounting shows that 400.57 AF was transferred On January 20, 2004, from the Transit Loss Account to the Kansas Section II. The 400.57 AF represents the 676.02 AF less evaporation.

Summary

As is apparent from the foregoing discussion, essentially all of the significant issues dividing the States a year ago remain unresolved. Efforts by the staffs of both States should continue to resolve these issues and others not discussed in this report. I appreciate the Operations Committee's time and interest in working to resolve the issues of dispute and to facilitate communication.

Sincerely,

Mark E. Rude,
Assistant Operations Secretary

Table A1: Data used to determine the satisfaction of Kansas Section II account deliveries.

Date	Offset Account Release (AF)	KS Sec. II Account Release (AF)	Transit Loss Release (AF)	Other Account Releases (AF)	Total Account Release from John Martin Reservoir (AF)	Ark River below John Martin Reservoir (AF)	Pass Thru (AF)	Mean Daily Stateline Flow (AF)
19-Mar	0.00	0.00	0.00	1.00	1.00	2.00	1.00	53.55
20-Mar	0.00	0.00	0.00	1.00	1.00	2.00	1.00	53.55
21-Mar	0.00	0.00	0.00	0.99	0.99	2.00	1.01	51.57
22-Mar	0.00	0.00	0.00	0.00	0.00	2.00	2.00	53.55
23-Mar	0.00	0.00	0.00	0.00	0.00	2.00	2.00	53.55
24-Mar	0.00	0.00	0.00	0.00	0.00	2.00	2.00	47.60
25-Mar	0.00	0.00	0.00	0.00	0.00	2.00	2.00	49.59
26-Mar	523.00	0.00	0.00	0.00	523.00	524.00	1.00	61.49
27-Mar	1164.00	0.00	0.00	0.00	1164.00	1164.00	0.00	61.49
28-Mar	1159.00	0.00	0.00	0.00	1159.00	1159.00	0.00	71.41
29-Mar	1176.87	0.00	0.00	40.50	1217.37	1217.00	(0.37)	283.64
30-Mar	1190.10	0.00	0.00	69.42	1259.52	1262.00	2.48	452.24
31-Mar	1190.10	0.00	0.00	74.80	1264.90	1264.00	(0.90)	581.17
1-Apr	1190.10	0.00	0.00	85.29	1275.39	1277.00	1.61	662.49
2-Apr	1211.92	0.00	0.00	120.90	1311.00	1311.00	0.00	721.99
3-Apr	1226.79	0.00	0.00	141.82	1331.92	1332.00	0.08	791.42
4-Apr	375.09	815.01	314.38	99.18	1603.66	1604.00	0.34	862.82
5-Apr	0.00	1190.10	495.88	238.68	1924.66	1929.00	4.34	967.95
6-Apr	0.00	1190.10	442.16	312.73	1944.99	1945.00	0.01	1243.65
7-Apr	0.00	1190.10	323.97	282.59	1796.66	1797.00	0.34	1342.83
8-Apr	0.00	1190.10	73.54	283.70	1547.34	1577.00	29.66	1307.13
9-Apr	0.00	1190.10	0.00	277.15	1467.25	1473.00	5.75	1237.70
10-Apr	0.00	1190.10	0.00	262.86	1452.96	1465.00	12.04	1166.30
11-Apr	436.06	605.25	0.00	232.13	1273.44	1320.00	46.56	1156.38
12-Apr	0.00	0.00	0.00	450.66	450.66	369.00	(81.66)	1110.76
13-Apr	0.00	0.00	0.00	357.17	357.17	619.00	261.83	747.78
14-Apr	0.00	0.00	0.00	415.81	415.81	578.00	162.19	460.17
15-Apr	0.00	0.00	0.00	349.25	349.25	516.00	166.75	368.93
16-Apr	0.00	0.00	0.00	347.15	347.15	370.00	22.85	299.51
17-Apr	0.00	0.00	0.00	205.93	205.93	224.00	18.07	253.89
18-Apr	0.00	0.00	0.00	204.44	204.44	222.00	17.56	222.15
19-Apr	0.00	0.00	0.00	173.50	173.50	222.00	48.50	198.35
20-Apr	0.00	0.00	0.00	178.05	178.05	222.00	43.95	180.50
21-Apr	0.00	0.00	0.00	183.88	183.88	224.00	40.12	158.68
22-Apr	0.00	0.00	0.00	13.09	13.09	178.00	164.91	168.60