RECEIVED

OCT 0 1 2012

Robyn M. Brody (ISB No. 5678) Brody Law Office, PLLC P.O. Box 554 Rupert, ID 83350 Telephone: (208) 420-4573 Facsimile: (208)260-5482 robynbrody@hotmail.com Attorneys for Rangen, Inc.

Fritz X. Haemmerle (ISB No. 3862) Haemmerle & Haemmerle, PLLC P.O. Box 1800 Hailey, ID 83333 Telephone: (208) 578-0520 Facsimile: (208) 578-0564 fxh@haemlaw.com Attorneys for Rangen, Inc.

J. Justin May (ISB No. 5818) May, Browning & May 1419 W. Washington Boise, Idaho 83702 Telephone: (208) 429-0905 Facsimile: (208) 342-7278 jmay@maybrowning.com Attorneys for Rangen, Inc.

Docket No. CM-DC-2011-004

AFFIDAVIT OF ROBYN M. BRODY IN OPPOSITION TO

EXPEDITED DECISION

IGWA'S MOTION TO CONTINUE HEARING AND REQUEST FOR

DEPARTMENT OF WATER RESOURCES

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE STATE OF IDAHO

IN THE MATTER OF THE PETITION DELIVERY CALL OF RANGEN, INC.'S WATER RIGHT NOS. 36-02551 & 36-7694

STATE OF IDAHO COUNTY OF MINIDOKA) SS:

)

)

Robyn M. Brody, being first duly sworn upon oath, deposes and says:

My name is Robyn M. Brody. I am one of the attorney of record for Rangen, Inc. 1.

The matters contained in this affidavit are based on my personal knowledge and beliefs.

2. Attached hereto as Exhibit 1 is a true and correct copy of portions of the Transcript of the January 19, 2012 Prehearing Conference.

3. Attached hereto as Exhibit 2 is a true and correct copy of portions of the Transcript of the February 21, 2012 Status Conference.

4. Attached hereto as Exhibit 3 are true and correct copies of the Gantt chart and "punchlist" dated April 17, 2012 as provided by the Idaho Department of Water Resources.

5. Attached hereto as Exhibit 4 is a true and correct copy of portions of the Transcript of the April 28, 2012 Status Conference.

6. Attached hereto as Exhibit 5 is a true and correct copy of the email sent from Rick Raymondi to Director Spackman on July 16, 2012.

7. Attached hereto as Exhibit 6 is a true and correct copy of Willem Schreuder's August 2011 Powerpoint presentation on MKMOD.

8. Attached hereto as Exhibit 7 is a true and correct copy of a letter from TJ Budge to Robyn M. Brody dated September 25, 2012.

9. Attached hereto as Exhibit 8 is a true and correct copy of a letter from Robyn M. Brody to TJ Budge dated September 25, 2012.

10. Attached hereto as Exhibit 9 is a true and correct copy of portions of the transcript of the May 24, 2012 Status Conference.

Rangen agreed to engage in written discovery with IGWA in approximately May
 without prior authorization by the Director.

12. In early August 2012 I sought permission from Rangen to have its documents scanned and produced electronically because I was concerned that IGWA had not yet made arrangements to have them copied. I arranged for the scanning of documents on August 8, 2012, had the documents hand-delivered to the scanner on August 9, 2012 and picked them up with a disc on August 15, 2012. I notified IGWA on August 16, 2012 that there was a problem with the disc received and that I had to obtain a new one. I

arranged for a courier to hand-deliver the disc to IGWA on August 21, 2012 – just 15 days after it requested to review the documents.

13. I uploaded a large number of documents to a shared electronic website on September 6^{th} and 7^{th} , 2012. The only upload that I made on September 10^{th} was a small batch of documents that I overlooked during the production process. These documents were all provided with Bates Nos., file names that contained the Bates Nos. and a description of the document, and they were grouped together by category. At the time of the depositions on September 10, 2012, I also provided counsel for IGWA with an index showing how the Bates Nos. corresponded to the various categories of documents requested; this was my personal workproduct, but I thought it might make the review process easier for IGWA.

DATED this day of September, 2012.

SUBSCRIBED AND SWORN TO BEFORE ME this 2012.

Robyn M. Brody

PATRICIA DENISE KRIEGER NOTARY PUBLIC STATE OF IDAHO

Notary Public for the State of Idaho **Residence:** My Commission Expires:

CERTIFICATE OF SERVICE

The undersigned, a resident attorney of the State of Idaho, hereby certifies that on the 28th day of September, 2012 she caused a true and correct copy of the foregoing document to be served via email and on the 29th day of September she caused a true and correct copy of the foregoing document to be served via U.S. Mail upon the following:

Original: Director Gary Spackman Idaho Department of Water Resources P.O. Box 83720 Boise, ID 83720-0098 Deborah Gibson@idwr idaho goy	Hand Delivery U.S. Mail Facsimile Federal Express E-Mail	
Garrick Baxter Chris Bromley Idaho Department of Water Resources P.O. Box 83720 Boise, Idaho 83720-0098 garrick.baxter@idwr.idaho.gov chris.bromley@idwr.idaho.gov	Hand Delivery U.S. Mail Facsimile Federal Express E-Mail	
Randall C. Budge Candice M. McHugh Thomas J. Budge RACINE, OLSON, NYE, BUDGE & BAILEY, CHARTERED P.O. Box 1391 101 South Capitol Blvd, Ste 300 Boise, ID 83704-1391 Fax: 208-433-0167 rcb@racinelaw.net <u>cmm@racinelaw.net</u> tjb@racinelaw.net	Hand Delivery U.S. Mail Facsimile Federal Express E-Mail	
Sarah Klahn Mitra Pemberton WHITE & JANKOWSKI Kittredge Building, 511 16th Street, Suite 500 Denver, CO 80202 sarahk@white-jankowski.com mitrap@white-jankowski.com	Hand Delivery U.S. Mail Facsimile Federal Express E-Mail	
Dean Tranmer City of Pocatello P.O. Box 4169 Pocatello, ID 83201 <u>dtranmer@pocatello.us</u>	Hand Delivery U.S. Mail Facsimile Federal Express E-Mail	
John K. Simpson Travis L. Thompson	Hand Delivery U.S. Mail	

AFFIDAVIT OF ROBYN M. BRODY IN OPPOSITION TO IGWA'S MOTION TO CONTINUE HEARING AND REQUEST FOR EXPEDITED DECISION - 4

Paul L. Arrington Barker Rosholt & Simpson, L.L.P. 195 River Vista Place, Suite 204 Twin Falls, ID 83301-3029 Facsimile: (208) 735-2444 tlt@idahowaters.com jks@idahowaters.com	Facsimile Federal Express E-Mail	
C. Thomas Arkoosh Capitol Law Group PO Box 2598 Boise, ID 83701 Facsimile: (208) 424-8874 tarkoosh@capitollawgroup.net	Hand Delivery U.S. Mail Facsimile Federal Express E-Mail	
W. Kent Fletcher Fletcher Law Office P.O. Box 248 Burley, ID 83318 wkf@pmt.org	Hand Delivery U.S. Mail Facsimile Federal Express E-Mail	
Jerry R. Rigby Hyrum Erickson Robert H. Wood Rigby, Andrus & Rigby, Chartered 25 North Second East Rexburg, ID 83440 jrigby@rex-law.com herickson@rex-law.com rwood@rex-law.com	Hand Delivery U.S. Mail Facsimile Federal Express E-Mail	

Robyn M. Brody

1	BEFORE THE DEPARTMENT OF WATER RESOURCES
2	OF THE STATE OF IDAHO
3	
4	* * * *
5	
6	
7	IN THE MATTER OF DISTRIBUTION)
8	36-02551 and 36-07694) CM-DC 2011-004
9	(RANGEN, INC.)
10)
11	REPORTER'S TRANSCRIPT
12	OF RECORDED HEARING
13	
14	DATE: January 19, 2012
15	LOCATION: Idaho Department of Water Resources
16	Boise, Idaho.
17	Poforo Intorim Divestor Come Orestan
18	Berore Interim Director Gary Spackman
19	
20	
21	
22	Transcribed by:
23	P.O. Box 132 Houburn JD 62226
24	Heyburn, 1D 83336
25	
	1 EXHIBIT I

1	was rigorous. And so I guess what's on my mind is, what	1	out the expert reports. You said you had concerns,
2	does it mean? You know, does the committee have clear	2	specific concerns, with 2.0. So if you identified the
3	expectations from the department about what it is that	3	issues you had and we make those available to our experts,
4	they're supposed to do?	4	you know, we'd have the opportunity to roll out our expert
5	And I guess I'm worried that we're never going to	5	reports, identifying the concerns you have, in a real case.
6	get to a point where it's final. I mean, models aren't, by	6	MR. SPACKMAN: Well, the concern I have, I guess,
7	their nature, final. People are already talking about	7	is version 2.0 is a department product. And the
8	version 3.0. If we don't go through the expert process	8	participants in the modeling committee are advisors,
9	I mean, now I'm just worried that six months from now we're	9	they're helpful, they have not developed the model itself,
10	going to be sitting In this conference room doing the same	10	and there is a process set up for determining when that
11	exact thing that we're doing now.	11	model is ready to go.
12	MR. HAMMERLE: Is it possible, director, for you	12	Now, I suppose another process that we could go
13	to issue what issues you think you have with 2.0, so that	13	through, Robyn, that I think would be an anathema to
14	if we go forward with the expert process we have an	14	everybody here is, we could really start a formal adoption
15	opportunity to address the issues you have through our	15	process, where we start adopting models through ruling. I
16	experts? I think that would be helpful probably to us, for	16	mean, that's a possibility, too. You know, that the models
17	certain, and for you also, because then you have	17	that we use could actually be recognized by rule and that
18	independent expert reports probably from two contested	18	we go through a formal process of adoption. I don't want
19	sides on the issues you have. And it probably coincides	19	to do that kind of thing. I'm just thinking of
20	somewhat with your earliest date that you would expect to	20	alternatives.
21	roll out the model, which is, you know, three months at the	21	But I think it's incumbent on the department when
22	earliest.	22	it's a department product to say, We're ready to roll this
23	MR. SPACKMAN: I'm not sure I understand what it	23	out, and then to be proactive in doing so. So, again, I
24	is that your proposing, Fritz.	24	appreciate your suggestion, Fritz, but I don't want to get
25	MR. HAMMERLE: Well, we have the proposal to roll	25	out ahead of the game. And I think those expert witnesses
	14		15
		1	
		1	
1	can participate in the process. If they want to be a part	1	so you identify flaws. Now, are they significant or are
1 2	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already	1 2	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've
1 2 3	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're	1 2 3	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that
1 2 3 4	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive.	1 2 3 4	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already.
1 2 3 4 5	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I	1 2 3 4 5	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go
1 2 3 4 5 6	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are	1 2 3 4 5 6	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that,
1 2 3 4 5 6 7	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't	1 2 3 4 5 6 7	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may
1 2 3 4 5 6 7 8	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to	1 2 3 4 5 6 7 8	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change
1 2 3 4 5 6 7 8 9	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a	1 2 3 4 5 6 7 8 9	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that
1 2 3 4 5 6 7 8 9 10	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the	1 2 3 4 5 6 7 8 9 10	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and
1 2 3 4 5 6 7 8 9 10	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to	1 2 3 4 5 6 7 8 9 10 11	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to
1 2 3 4 5 6 7 8 9 10 11 12	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month	1 2 3 4 5 6 7 8 9 10 11 12	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't
1 2 3 4 5 6 7 8 9 10 11 12 13	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target.	1 2 3 4 5 6 7 8 9 10 11 12 13	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six
1 2 3 4 5 6 7 8 9 10 11 12 13 14	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of	1 2 3 4 5 6 7 8 9 10 11 12 13 14	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that If the experts
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that if the experts representing Rangen want to participate more actively
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through calibration. They haven't even finished the calibration	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that if the experts representing Rangen want to participate more actively and I think they have didn't we receive some information
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through calibration. They haven't even finished the calibration process dealing with the changes that we have here. I	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that if the experts representing Rangen want to participate more actively and I think they have didn't we receive some information from Chuck Brockway in the filings about an opinion that
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through calibration. They haven't even finished the calibration process dealing with the changes that we have here. I mean, calibration of the model is an essential part of any	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that if the experts representing Rangen want to participate more actively and I think they have didn't we receive some information from Chuck Brockway in the filings about an opinion that version 2.0 is ready to go forward? Wasn't that part of
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through calibration. They haven't even finished the calibration process dealing with the changes that we have here. I mean, calibration of the model is an essential part of any modeling process. I think the real arguments out there	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that if the experts representing Rangen want to participate more actively and I think they have didn't we receive some information from Chuck Brockway in the filings about an opinion that version 2.0 is ready to go forward? Wasn't that part of the file?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through calibration. They haven't even finished the calibration process dealing with the changes that we have here. I mean, calibration of the model is an essential part of any modeling process. I think the real arguments out there are, once the model is calibrated, then we stress the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that if the experts representing Rangen want to participate more actively and I think they have didn't we receive some information from Chuck Brockway in the filings about an opinion that version 2.0 is ready to go forward? Wasn't that part of the file? MS. BRODY: I think all of our experts would say
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through calibration. They haven't even finished the calibration process dealing with the changes that we have here. I mean, calibration of the model is an essential part of any modeling process. I think the real arguments out there are, once the model is calibrated, then we stress the model, and then we look at it and say: Based on those	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that if the experts representing Rangen want to participate more actively and I think they have didn't we receive some information from Chuck Brockway in the filings about an opinion that version 2.0 is ready to go forward? Wasn't that part of the file? MS. BRODY: I think all of our experts would say it's the best science and that it ought to be used.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21 22 23 24	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through calibration. They haven't even finished the calibration process dealing with the changes that we have here. I mean, calibration of the model is an essential part of any modeling process. I think the real arguments out there are, once the model is calibrated, then we stress the model, and then we look at it and say: Based on those stresses. So you apply a stress to It to see what the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that If the experts representing Rangen want to participate more actively and I think they have didn't we receive some information from Chuck Brockway in the filings about an opinion that version 2.0 is ready to go forward? Wasn't that part of the file? MS. BRODY: I think all of our experts would say it's the best science and that it ought to be used. MR. SPACKMAN: And I agree, with the caveat that
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	can participate in the process. If they want to be a part of the modeling committee, they can, I suspect they already are, and that they can identify those proposals we're engaged in right now that they feel are unproductive. I mean, that's one of the questions that I continue to ask the staff is: What are we doing, if we are doing anything, that's getting us nowhere? Because I don't want to engage in that kind of process. But I intend to stand firm on not using 2.0 right now and not starting a process that uses it ahead of the department and the modeling committee feeling comfortable that we're ready to roll it forward. And my target is a three-to-six-month target. MS. BRODY: At this point do you have a sense of what they have left to do? I mean, what you want them to finish? MR. SPACKMAN: Well, they need to go through calibration. They haven't even finished the calibration process dealing with the changes that we have here. I mean, calibration of the model is an essential part of any modeling process. I think the real arguments out there are, once the model is calibrated, then we stress the model, and then we look at it and say: Based on those stresses. So you apply a stress to it to see what the reactions are in various parts of the model, and by doing	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	so you identify flaws. Now, are they significant or are they not significant? We don't know that, but we've identified two of three of them by going through that process already. I recognize the argument, Robyn, that we could go through that process forever. I don't intend to do that, but I also don't intend to float a model out there that may be inaccurate, that may produce results that change obligations or rights of various parties in litigation that then we find out are in error and I whipsaw people back and forth. And I'm not willing to do that. So I intend to hold firm in the use of 2.0 and just say that I don't intend to use it and we'll reevaluate it in three to six months and we'll see where we're at based on these criteria. And my suggestion, Fritz, is that if the experts representing Rangen want to participate more actively and I think they have didn't we receive some information from Chuck Brockway in the filings about an opinion that version 2.0 is ready to go forward? Wasn't that part of the file? MS. BRODY: I think all of our experts would say it's the best science and that it ought to be used. MR. SPACKMAN: And I agree, with the caveat that it ought to be used when it's ready to go. And there's

1	department. You know, you guys are working hard, I	1	MR. SPACKMAN: Well, the best I can do is turn
2	understand that, but you're dragging on a little bit and	2	back and look at the decisions that have been issued by the
3	we've got to get this done, you've got to roll it out.	3	department and subsequent issues that have been issued by
4	MR. SPACKMAN: Yeah. My impression in the	4	the courts (inaudible). And despite the fact that nobody
5	committee and again, I don't want it to be some sort of	5	liked the trim line, it was recognized by the court as a
6	implication that they're not being objective but	6	reasonable method of determining obligation to the junior
7	listening to the distant voices in the committee, I'm not	7	groundwater users.
8	sure that they will ever come to an agreement as a whole	8	And I suppose in going through any kind of legal
9	that the model is ready to use.	9	proceeding, you know, issues can be raised and people can
10	And I don't think and I'm not sure that it's	10	attempt to put in additional evidence regarding something
11	proper for the chairman of that committee, Rick Raymondi,	11	like the trim line and ask the director to reconsider it
12	to ask them to vote on it and then for us to take a vote.	12	based on additional facts or information that's available
13	So I think it's the department's responsibility to say	13	to the parties. Certainly the collection of that data and
14	we've done what we need to do and we need to move forward.	14	information is not stagnant. But at least right now in
15	And so the committee is advisory. Ultimately	15	evaluating version 1.1 the intended trim line has been
16	it's staff and the department's responsibility to say this	16	recognized by the court and I think that gives the use of
17	is ready. And I feel a huge obligation, it's one of two or	17	the trim line the force of those precedent, at least, in
18	three big issues on the horizon right now, and so I don't	18	the department's decision making at this point.
19	take that responsibility lightly.	19	MR. HAMMERLE: If we had to task our experts,
20	MR. HAMMERLE: Under the prior model I think	20	though, you know, I think the question that we have is, is
21	there's been discussion, debate, issues, whether the trim	21	the trim line open for discussion within 1.1, or in your
22	line exists in the model or outside the model. So as you	22	mind would you be open to further discussions on that issue
23	sit here today, when you say there's an expectation that if	23	in 1.1, or is there a trim line?
24	we wanted to proceed today the trim line is in or out, or	24	MR. SPACKMAN: At least right now there's a trim
25	is it open to discussion from your standpoint?	25	line. It seems to me that there's a huge burden that would
	22		23
		1	
1	be imposed using version 1.1 to overcome that trim line,	1	MR. HAMMERLE: Director, can we have maybe a five
1 2	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell	1 2	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak?
1 2 3	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which	1 2 3	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure.
1 2 3 4	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations	1 2 3 4	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure.
1 2 3 4 5	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to	1 2 3 4 5	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess.
1 2 3 4 5 6	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than	1 2 3 4 5 6	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess.
1 2 3 4 5 6 7	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is	1 2 3 4 5 6 7	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a
1 2 3 4 5 6 7 8	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult.	1 2 3 4 5 6 7 8	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess.
1 2 3 4 5 6 7 8 9	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in	1 2 3 4 5 6 7 8 9	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Backers wave theoretical
1 2 3 4 5 6 7 8 9 10	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0	1 2 3 4 5 6 7 8 9 10	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MG. BRODY: Director what we would like to soo
1 2 3 4 5 6 7 8 9 10 11	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it	1 2 3 4 5 6 7 8 9 10 11	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see
1 2 3 4 5 6 7 8 9 10 11 12	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to	1 2 3 4 5 6 7 8 9 10 11 12	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelere issue kind of a super list. A To Do list. Here's
1 2 3 4 5 6 7 8 9 10 11 12 13	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that	1 2 3 4 5 6 7 8 9 10 11 12 13	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we have not list to do to got this model rolling, and to
1 2 3 4 5 6 7 8 9 10 11 12 13 14	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering	1 2 3 4 5 6 7 8 9 10 11 12 13 14	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to above that with the committee on Monday when they meet so
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison,	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that eventbedy's got a clear game plan for what's left to
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0. I, personally, think there's significant	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0. I, personally, think there's significant advantage to the department and to Rangen and other parties to not an through the effort under 1.1 and having version	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to you in 60 days and say. Where are we on the punch list?
1 2 3 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 9 20	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0. I, personally, think there's significant advantage to the department and to Rangen and other parties to not go through the effort under 1.1 and having version 2.0 miled out shortly thereafter. But I also recognize	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to you in 60 days and say, Where are we on the punch list? What's going on and what progress has been made? We
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0. I, personally, think there's significant advantage to the department and to Rangen and other parties to not go through the effort under 1.1 and having version 2.0 rolled out shortly thereafter. But I also recognize that when a netition for delivery call is filed with the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to you in 60 days and say, Where are we on the punch list? What's going on and what progress has been made? We don't and we also met with Candace during the break and
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0. I, personally, think there's significant advantage to the department and to Rangen and other parties to not go through the effort under 1.1 and having version 2.0 rolled out shortly thereafter. But I also recognize that when a petition for delivery call is filed with the department, given the court's directives, the department	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to you in 60 days and say, Where are we on the punch list? What's going on and what progress has been made? We don't and we also met with Candace during the break and all of us agree that using version 1.1 is not the thing to
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0. I, personally, think there's significant advantage to the department and to Rangen and other partles to not go through the effort under 1.1 and having version 2.0 rolled out shortly thereafter. But I also recognize that when a petition for delivery call is filed with the department, given the court's directives, the department has an obligation to expeditiously afford the senior an	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to you in 60 days and say, Where are we on the punch list? What's going on and what progress has been made? We don't and we also met with Candace during the break and all of us agree that using version 1.1 is not the thing to do. And so our position is, let's just get this model
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0. I, personally, think there's significant advantage to the department and to Rangen and other parties to not go through the effort under 1.1 and having version 2.0 rolled out shortly thereafter. But I also recognize that when a petition for delivery call is filed with the department, given the court's directives, the department has an obligation to expeditiously afford the senior an opportunity for a hearing, but that expeditious hearing	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to you in 60 days and say, Where are we on the punch list? What's going on and what progress has been made? We don't and we also met with Candace during the break and all of us agree that using version 1.1 is not the thing to do. And so our position is, let's just get this model finished as soon as we can, because every day that goes by,
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	be imposed using version 1.1 to overcome that trim line, given its precedent in previous decisions. I will tell you, in discussing version 2.1, given the way in which the and I may slip in my discussion in representations of the model in its simulations and calibrations to spring nodes well, model nodes and springs, rather than reaches of the river, the use of any kind of trim line is much more difficult. And trim lines may not be a component at all in using version 2.0. I don't have any idea. But version 2.0 certainly changes because of its accuracy and the way it simulates the impacts of various activities on the plain to a particular cell or node. It changes much of that previous analysis. So I'm giving you more in answering your question. I want to kind of give you a comparison, talking about version 1.1 and 2.0. I, personally, think there's significant advantage to the department and to Rangen and other partles to not go through the effort under 1.1 and having version 2.0 rolled out shortly thereafter. But I also recognize that when a petition for delivery call is filed with the department, given the court's directives, the department has an obligation to expeditiously afford the senior an opportunity for a hearing, but that expeditious hearing would be held under 1.1.	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	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to you in 60 days and say, Where are we on the punch list? What's going on and what progress has been made? We don't and we also met with Candace during the break and all of us agree that using version 1.1 is not the thing to do. And so our position is, let's just get this model finished as soon as we can, because every day that goes by, every irrigation season that goes by, is more injury to
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	<text><text><text><text></text></text></text></text>	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	MR. HAMMERLE: Director, can we have maybe a five - ten minute recess so we can speak? MR. SPACKMAN: Sure. Recess. MR. SPACKMAN: We're back recording again after a brief recess. Fritz, you're the one that asked for the recess. Robyn, your thoughts? MS. BRODY: Director, what we would like to see happen, if we had our wish list, is to have the department modelers issue kind of a punch list: A To-Do list. Here's what we've got left to do to get this model rolling, and to share that with the committee on Monday when they meet, so that everybody's got a clear game plan for what's left to do. And what we'd like to do, too, is come back to you in 60 days and say, Where are we on the punch list? What's going on and what progress has been made? We don't and we also met with Candace during the break and all of us agree that using version 1.1 is not the thing to do. And so our position is, let's just get this model finished as soon as we can, because every day that goes by, every irrigation season that goes by, is more injury to 25

		_	
1	Rangen (inaudible).	1	here are the things that we're doing and here's what we're
2	MR. SPACKMAN: I think those are both reasonable	2	trying to accomplish now.
3	requests. In fact, one of the things I thought about as I	3	One of the concerns we always have is that we may
4	was just sitting there, I had suggested 30 or three	4	go through a callbration process now and find out that with
5	months, and I thought you suggested 60 days. I mean, I'm	5	the input of additional data all of a sudden the model
6	even willing to schedule a status conference every 30 days	6	doesn't calibrate. Then what do you do? We don't think
7	to say, Where are we at.	7	that will happen, but I always have to hedge against those
8	MR. HAMMERLE: Maybe that's a good A 30-day	8	kinds of unforeseen circumstances. I mean, that the model
9	telephonic status conference to show where we are would be	9	actually blows up in some way. That's probably a remote
10	probably preferred.	10	possibility, but it's out there. And I'm not a modeler, so
11	MR. SPACKMAN: Yeah. I think there's urgency	11	I couldn't give you a percentage of possibility in those
12	about it and maybe even putting it off three months is	12	areas, but I can't make a commitment and say it will be
13	unreasonable. I just think, as I said before, the	13	done in three months or it will be done in six or whatever.
14	department staff, the last couple of meetings I've said	14	But the best I can do is apply a sense of urgency to it and
15	I'm in fact I think the last meeting I said, Guys, I may	15	recognize that you have rights that need to be protected
16	be in here pushing really hard on you to say when will you	16	and the call needs to be addressed.
17	get this done? And so but on the other hand. I have to	17	So we can do those two things and Victoria will
18	respect the scientific process, and that's the tension that	18	set up a schedule. let's meet on a regular basis. And if
19	we're operating under. And I'm happy to have you folks be	19	the experts want to participate in that conference in some
20	a part of this, in whatever way we can, to be transparent	20	way. I'm happy to have at least some kind of discussion.
21	and work at it. So if you want and I can have Victoria	21	You know. Where are we? But It can't highlack the modeling
22	set it up on a recurring basis put it on my calendar	22	committee and the denartment's process.
23	clear it with you folks. And I'm happy to ask the modeling	23	MR. HAMMERI F: Director, is the department
24	committee I think we have some of that in the	24	willing to submit a list of issues to the committee, say as
25	background, but certainly it can be distributed. You know.	25	early as Monday, about questions you might have, so they
20		20	27
	20	1	
1	can be addressed?	1	specific questions about calibrations. I mean, very
1	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it.	1	specific questions about calibrations. I mean, very specific issues. And, you know, I quess our hope is that
1 2 3	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it.	1 2 3	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty
1 2 3 4	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that	1 2 3 4	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and
1 2 3 4 5	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday.	1 2 3 4 5	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on
1 2 3 4 5 6	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR BAXTER: Director, if Linight, I think they	1 2 3 4 5 6	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most
1 2 3 4 5 6 7	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid	1 2 3 4 5 6 7	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's
1 2 3 4 5 6 7 8	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saving you need to complete the	1 2 3 4 5 6 7 8	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You
1 2 3 4 5 6 7 8 9	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know they've already yoted	1 2 3 4 5 6 7 8 9	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know less and less issues. So if those issues are known
1 2 3 4 5 6 7 8 9	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out. Whoops, we	1 2 3 4 5 6 7 8 9	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page.
1 2 3 4 5 6 7 8 9 10	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think	1 2 3 4 5 6 7 8 9 10	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MB. SPACKMAN: That's our whole point. What if
1 2 3 4 5 6 7 8 9 10 11 12	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a	1 2 3 4 5 6 7 8 9 10 11 12	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff. Fritz? What if they work
1 2 3 4 5 6 7 8 9 10 11 12 13	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a	1 2 3 4 5 6 7 8 9 10 11 12 13	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list?
1 2 3 4 5 6 7 8 9 10 11 12 13	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated	1 2 3 4 5 6 7 8 9 10 11 12 13 14	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect.
1 2 3 4 5 6 7 8 9 10 11 12 13 14	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously	1 2 3 4 5 6 7 8 9 10 11 12 13 14	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready. So can the department point to an issue? They can say	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the committee would be most effective if you made available to
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready. So can the department point to an issue? They can say that We need to finish the steps, but the scientific	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the committee would be most effective if you made available to them very specific issues you're having. I understand
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready. So can the department point to an issue? They can say that, We need to finish the steps, but the scientific process and the technical document succests you need to com	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the committee would be most effective if you made available to them very specific issues you're having. I understand those may change, but let's get them out there.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready. So can the department point to an issue? They can say that, We need to finish the steps, but the scientific process and the technical document suggests you need to go through before you have a model that is appropriate for	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the committee would be most effective if you made available to them very specific issues you're having. I understand those may change, but let's get them out there. MR. SPACKMAN: Okay. Any other comments?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready. So can the department point to an issue? They can say that, We need to finish the steps, but the scientific process and the technical document suggests you need to go through before you have a model that is appropriate for use	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the committee would be most effective if you made available to them very specific issues you're having. I understand those may change, but let's get them out there. MR. SPACKMAN: Okay. Any other comments? MS. MCHUGH: No comments. I think that works
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready. So can the department point to an issue? They can say that, We need to finish the steps, but the scientific process and the technical document suggests you need to go through before you have a model that is appropriate for use. MR. HAMMERIE: Having said that I'm pot an	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the committee would be most effective if you made available to them very specific issues you're having. I understand those may change, but let's get them out there. MR. SPACKMAN: Okay. Any other comments? MS. McHUGH: No comments. I think that works fine.
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	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration Is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready. So can the department point to an issue? They can say that, We need to finish the steps, but the scientific process and the technical document suggests you need to go through before you have a model that is appropriate for use. MR. HAMMERLE: Having said that, I'm not an evnert in this field, but it counds like your evnerts have	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	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the committee would be most effective if you made available to them very specific issues you're having. I understand those may change, but let's get them out there. MR. SPACKMAN: Okay. Any other comments? MS. McHUGH: No comments. I think that works fine. MR. SPACKMAN: Okay. And. Victoria. you'll set
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 3 24 25	can be addressed? MR. SPACKMAN: Well, I'll talk to them about it. Is the modeling committee on a Monday? I've lost track of that. MS. McHUGH: It's on the 23rd, which is Monday. MR. BAXTER: Director, if I might, I think they actually already have the (inaudible) Director's order laid out in his earlier letter saying you need to complete the calibration process. You know, they've already voted previously on a calibration and then found out, Whoops, we need to go back and change some data. So I don't think that calibration is going to be that much difficult of a process for them to come to agreement on saying when a model is calibrated. You know, the committee has already previously voted and talked about the issues of validation and the uncertainty analysis, and those are steps in the scientific process that need to take place before the model is ready. So can the department point to an issue? They can say that, We need to finish the steps, but the scientific process and the technical document suggests you need to go through before you have a model that is appropriate for use. MR. HAMMERLE: Having said that, I'm not an expert in this field, but it sounds like your experts have 28	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	specific questions about calibrations. I mean, very specific issues. And, you know, I guess our hope is that specific issues with respect to calibration and uncertainty from the department's perspective are made available and known to the committee so that they can start working on those, as well as your experts, so that we have the most resources possible working Hopefully, as this model's rolled up, the issues are narrowed down into a funnel. You know, less and less issues. So if those issues are known to everybody, we could work on the same page. MR. SPACKMAN: That's our whole point. What if we refine the request of staff, Fritz? What if they work with the committee on Monday to develop that punch list? MR. HAMMERLE: That would be perfect. MR. SPACKMAN: So that we're not just dumping that on them and then it's a product that comes out of this Monday meeting. Would that be a MR. HAMMERLE: Yeah, because I think the committee would be most effective if you made available to them very specific issues you're having. I understand those may change, but let's get them out there. MR. SPACKMAN: Okay. Any other comments? MS. McHUGH: No comments. I think that works fine. MR. SPACKMAN: Okay. And, Victoria, you'll set 29

Î

Ĺ

1	BEFORE THE DEPARTMENT OF WATER RESOURCES
2	OF THE STATE OF IDAHO
3	
4	* * * *
5	
6	
7 8	IN THE MATTER OF DISTRIBUTION) OF WATER TO WATER RIGHT NOS.) 36-02551 and 36-07694) CM-DC 2011-004
9	(RANGEN, INC.))
10)
11	REPORTER'S TRANSCRIPT
12	OF RECORDED HEARING
13	
14	DATE: February 21, 2012
15	LOCATION: Idaho Department of Water Resources
16	Boise, Idaho.
17	
18	Before Interim Director Gary Spackman
19	
20	
21	
22	Transcribed by:
23	Maureen Newton, CSR #321 P.O. Box 132
24	Heyburn, ID 83336
25	
	EXHIBIT 2

:::

*n - 1

1	District and work them. We've had an e-mail from Brian	1	MR. SPACKMAN: Rick?
2	Higgs who said he's putting it together.	2	MR. RAYMONDI: This is the list.
3	A VOICE: When will that be done?	3	MR. HAMMERLE: I think you had talked about some
4	MR. RAYMONDI: Well, the data Brian has the	4	specific variables, and I can't remember exactly which they
5	data. It's recorded. He just has to transfer it to us, so	5	were at the last meeting, but there was some specific
6	we'll be in touch with him. I just got the e-mail this	6	concerns that you had that the committee wasn't looking at
7	morning that said he was going to give it to us, so we'll	7	and you believed they should have been looking at.
8	get back with him and make sure (Inaudible) right away and	8	MR. SPACKMAN: I guess I don't remember that
9	let him know that's there's urgency.	9	discussion. What we did have, we had a summary that I
10	MR. SPACKMAN: I just thought the discussion	10	referred to, and I could retrieve it, of the things that
11	about validation might be important so that you had some	11	were being done at the time and then the things that needed
12	context about what the validation is directed towards, as	12	to be addressed. And, you know, some of them were and ${\rm I}$
13	opposed to what calibration is.	13	can just kind of remember the conversation but some of
14	MR. HAMMERLE: Director, last meeting we talked	14	them were we had an underflow issue.
15	about the committee being on the same kind of plane that	15	MR. HAMMERLE: Right. That's one that I recall.
16	the department is and sharing information and making sure,	16	MR. SPACKMAN: One was the underflow issue that
17	you know, your concerns are relayed to them in a timely	17	the committee agreed that we needed to look at for purposes
18	fashion. So last time we talked about the department	18	of calibration. The other one was the adjustments to
19	providing the committee a punch list. Just a list of items	19	spring flows where there had been errors in those entries
20	that you might be concerned about that the committee's not	20	and we found better data. And those were the two that I
21	working on and should be working on. I think we talked	21	remember. But, you know, we certainly you're right,
22	about that, and I don't think the committee's been provided	22	Fritz, there was a discussion about a punch list. So to
23	that kind of information. so I don't know if there is any	23	the extent that this doesn't satisfy it, we can probably
24	or I think it would be helpful so both the department.	24	put that together as a bulletin list.
25	again, and the committee are working on the same page.	25	MR. HAMMERLE: You know. I see this as a process
			44
	10		
		1	
	memo that's beloful for sure. But if there's particular	1	going back to the director's letter, as Rick has put on it
1	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or	1	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's
1 2 3	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that	1 2 3	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able
1 2 3 4	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get	1 2 3 4	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that
1 2 3 4 5	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden	1 2 3 4 5	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the
1 2 3 4 5 6	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say. Gee, well, we didn't consider this, that	1 2 3 4 5 6	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done
1 2 3 4 5 6 7	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern	1 2 3 4 5 6 7	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard
1 2 3 4 5 6 7 8	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern.	1 2 3 4 5 6 7 8	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the
1 2 3 4 5 6 7 8 9	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas	1 2 3 4 5 6 7 8 9	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this
1 2 3 4 5 6 7 8 9	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas.	1 2 3 4 5 6 7 8 9	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works
1 2 3 4 5 6 7 8 9 10	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Bick said. I think this is the list. That last sheet that	1 2 3 4 5 6 7 8 9 10 11	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up
1 2 3 4 5 6 7 8 9 10 11	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken	1 2 3 4 5 6 7 8 9 10 11 12	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect
1 2 3 4 5 6 7 8 9 10 11 12 13	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we	1 2 3 4 5 6 7 8 9 10 11 12 13	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to yote that, yes, the model is calibrated
1 2 3 4 5 6 7 8 9 10 11 12 13	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is because they appeared the	1 2 3 4 5 6 7 8 9 10 11 12 13	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go.
1 2 3 4 5 6 7 8 9 10 11 12 13 14	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement.	1 2 3 4 5 6 7 8 9 10 11 12 13 14	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the property calibrated model. We're	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been resolved to the satisfaction of the department. It can them	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes you have to go backwards and work through it. But the end
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been resolved to the satisfaction of the department, to get them to say, akay, we believe this is coing to be the bert	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes you have to go backwards and work through it. But the end result here is to have a validated model here well
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	memo that's helpful for sure. But if there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been resolved to the satisfaction of the department, to get them to say, okay, we believe this is going to be the best calibrated model that we have to date. so date the part of the model that we have the set of t	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes you have to go backwards and work through it. But the end result here is to have a validated model here well, actually have a calibrated model or here well,
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	memo that's helpful for sure. But If there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been resolved to the satisfaction of the department, to get them to say, okay, we believe this is going to be the best calibrated model that we have to date, sending them out	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes you have to go backwards and work through it. But the end result here is to have a validated model here well, actually have a calibrated model probably by February 27th, we would expect the modeling committee to be there -co
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 20	memo that's helpful for sure. But If there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been resolved to the satisfaction of the department, to get them to say, okay, we believe this is going to be the best calibrated model that we have to date, sending them out here in the next day or two it sounds like, so the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out In that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes you have to go backwards and work through it. But the end result here is to have a validated model here well, actually have a calibrated model probably by February 27th, we would expect the modeling committee to be there, go through the validation approach. I think Pick has out if
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23	memo that's helpful for sure. But If there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been resolved to the satisfaction of the department, to get them to say, okay, we believe this is going to be the best calibrated model that we have to date, sending them out here in the next day or two it sounds like, so the committee will be ready to vote on that.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes you have to go backwards and work through it. But the end result here is to have a validated model here well, actually have a calibrated model probably by February 27th, we would expect the modeling committee to be there, go through the validation approach. I think Rick has put it beet questimates for a timeframe, shooting for hulk to
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	memo that's helpful for sure. But If there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been resolved to the satisfaction of the department, to get them to say, okay, we believe this is going to be the best calibrated model that we have to date, sending them out here in the next day or two it sounds like, so the committee will be ready to vote on that. I'm not aware of any specific issues or anything	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	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out In that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes you have to go backwards and work through it. But the end result here is to have a validated model here well, actually have a calibrated model probably by February 27th, we would expect the modeling committee to be there, go through the validation approach. I think Rick has put it best guesstimates for a timeframe, shooting for July to have that validation process and predictive uncertainty.
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	memo that's helpful for sure. But If there's particular variables that relate to validity, calibration or uncertainty, you know, that if you're concerned about that the committee should be working on, we don't want to get months down the process and then, you know, all of a sudden have anyone say, Gee, well, we didn't consider this, that or the other and we should be. So that's our concern. MR. SPACKMAN: Let's work on an appendage to this, unless you have some other ideas. MR. BAXTER: I'm just going to go back to what Rick said. I think this is the list. That last sheet that we had talked about some of the activities that had taken place that had resulted in data improvement. And what we see here, the result is, because they answered the questions about the data improvement, they've sent out what they believe is the properly calibrated model. We're getting ready to send out another version of the model. So those data issues that we talked about have apparently been resolved to the satisfaction of the department, to get them to say, okay, we believe this is going to be the best calibrated model that we have to date, sending them out here in the next day or two it sounds like, so the committee will be ready to vote on that. I'm not aware of any specific issues or anything else that's out there. I think last time we talked about	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	going back to the director's letter, as Rick has put on it here, that kind of framed, from the department's standpoint, what really needed to happen for us to be able to move forward. And this shows us all those steps that the director put out in that letter, talking about the calibration, the validation, and I think what we've done here is took your concerns from last meeting, where I heard what you said was that you were concerned about the timeframe in which all these things would happen, and this starts to explain to you how that timeframe process works from the department's perspective. That we think coming up with the calibrated model here pretty soon, would expect the committee to vote that, yes, the model is calibrated, ready to go. The validation process, the last time we talked about how sometimes you get into that what's the proper term here this fact flow, that if you come through validation and you find out you have a problem sometimes you have to go backwards and work through it. But the end result here is to have a validated model here well, actually have a calibrated model probably by February 27th, we would expect the modeling committee to be there, go through the validation approach. I think Rick has put it best guesstimates for a timeframe, shooting for July to have that validation process and predictive uncertainty
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	<text><text><text><text></text></text></text></text>	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	<text><text></text></text>

1

1

Ì

1	process complete.	1	You know, that kind of level of detail. Because this, to
2	MR. HAMMERLE: So as you sit here today you're	2	me, speaks of a very high level view of what's going on,
3	not aware of any variables that the department is concerned	3	and we'd kind of like to see the real details in terms of
4	about? Some of the same ones we discussed last time?	4	what the department's doing, and if it is the department
5	MR. BAXTER: I guess I don't know what other	5	that's going out gathering all this data, and make sure
6	variables, other than as the director pointed out, we	6	that the committee is in agreement that, yes, these are the
7	talked about some data issues that	7	ten data areas that we need to conduct validation that this
8	MR. HAMMERLE: I think our only concern, Garrick,	8	is appropriate. And that way we know who's responsible for
9	is that if those issues do come up, that the department	9	it and what the timing of it is.
10	provide that list to the committee so they could be working	10	You know, same thing and I may be moving a
11	on it in a timely fashion. So I quess you said there are	11	little bit ahead but, like, with predictive uncertainty:
12	none, but what we would ask is if you see any, that they be	12	64 runs. Okay, what do those runs look like? Eight of
13	made available fairly timely so the committee can work on	13	them look like this, ten of them look like this, here's
14	them.	14	who's going to do it, this is when it's going to be done.
15	MS. BRODY: And I quess just thinking out loud	15	But a real game plan for, we're down I know everybody's
16	for a minute, for example, the data gathering for	16	working hard to get it done, but I mean, these are the 57
17	validation you mentioned the ET the diversions you	17	things we need to do between now and finish day and who's
18	know a whole list of areas where you were gathering data	18	anings we need to be between new and ministrately and who s
10	I mean I quess our hope was that we would have information	10	MP. PAYMONDI: All of that you would find in the
20	about: Here is the data that we believe is necessary to do	20	committee minutes. We discuss all these details and who's
21	the validation. I mean these are the 6 or 10 or however	21	doing it and what's the progress. There's even like
22	many areas that there are and this is whole soins to so	22	Chuck Producty will gave till contact so and so and bein
22	and that data, this is when it's coing to be accomplished	22	chuck brockway will say, i il contact so and so and help
23	Jereza, literally, you know like you'd see if you're	23	you get that. So it's down to the mitty gritty in the
24	I mean, interally, you know, like you i see if you re	24	committee meetings, and the minutes will reflect that.
20	building a house. You know, caulk the back of the tollet.	20	MS. BRODY: Is there anybody in the department
	14		10
1	who's maybe I'm a chart person is there anybody who's	1	confident we're all working on the same page and all the
2	got that kind of chart that's really tracking all of that	2	variables are known to all the parties?
3	stuff to make sure that it is getting done? I mean.	3	MR. RAYMONDI: They are.
4	because I know the committee folks are incredibly busy	4	MR. HAMMERLE: Okay.
5	people with lots of different projects and things, and so,	5	MR. BROCKWAY: This is Chuck Brockway. I heard
6	you know, to make sure that emails get sent and data that's	6	my name mentioned and I thought I have a guestion. I
7	sitting in a government office gets transmitted like it	7	quess it must be relative to status, and that the
8	should, that kind of thing.	8	committee's going to hear something about validation coming
9	MR. RAYMONDI: I think if I can spend a few	9	up on the 27th. Has the department put together any
10	minutes with you and the committee minutes I could show you	10	suggested criteria for evaluating the sufficiency of the
11	everything you're talking about Stacey Taylor's in charge	11	validation process? What are you going to present to us to
12	of all this data gathering here and every meeting she goes	12	compare or to judge or to give an opinion on relative to
13	through what's left. What's been collected what's left	13	the sufficiency of the validation?
14	and every meeting it's less and less and less. So we're	14	MR. RAYMONDI: You know, we don't have a document
15	right down to the end now	15	with that, but I can make that assignment when we begin the
16	MR BAXTER: But you're kind of the point person	16	process of making the runs. We'll get that going here
17	for the department. You stand there and take on the roll	17	right away so that it's done the criteria are done
18	Polyn kind of talks about as being kind of the minutes man	18	before the validation runs are done.
10	at the committee meeting, following up with people and	19	MR BAXTER: But Rick this isn't something
20	making sure at have I read that wrong?	20	new
21	MD DAVMONDT: No that's correct. So we have a	21	MR_BROCKWAY. I think that would be good for the
21	web page. All of this is on there. All our collibration	22	committee to at least have suggested criteria to judge by
22	web page. All of this is on there. All our calibration	22	The committee in their infinite wiedow will come up with
23	Funs, an our meeting minutes, an or model data.	20	some of their own I sunnose, but anyway, it would be good
24	Liveryching, Current data, mes are an insteu in there.	25	to give us some guidance
20		25	17
1	10		
1		1	

1	MR. HAMMERLE: That's a fair point. I mean, we	1	I believe, that he really didn't know what form the	
2	want to understand how it will be handled by the	2	certainty was going to be factored into the administrative	
3	department. Whether you're going to say this is the	3	(inaudible). And it sounds, Gary, like you're still there.	
4	uncertainty and that's what it is and that's what we're	4	MR. SPACKMAN: That's correct. I think it's	
5	going to apply, or is it going to be at a point where	5	really premature to even talk about it, as Fritz said,	
6	you're going to say we had a good model, 2.0, we've	6	until we get through that process and people have an	
7	accepted it, and now we're within this call we're going	7	opportunity to digest the results and then talk about it.	
8	to talk about uncertainty analysis being handled.	8	Not only the results of the predictive uncertainty, but I	
9	MR. BAXTER: I think you see from the reports	9	know there are other uncertainties out there. So	
10	that are being prepared by the experts for the modeling	10	MR HAMMERLE: I quess director the question	
11	committee that uncertainty can mean a lot of different	11	was: May we get to the point where we're willing to say	
12	things I believe that the director is still directing the	12	we have a good model 2.0, and within this call I'm going	
12	information that's being provided by the parties and is	12	to hear the amuments about uncertainty? Or are you going	
14	still subject to a final determination on how life going to	14	to mean the arguments about uncertainty? Of are you going	
15	soli subject to a final determination on now it's going to	15	MD CDACKMAN, Yook I think that's where we're	
10	iook (inaulioie).	10	MR. SPACKMAN: fean, I think that's where we re	
10	I think you re right, I think we re a little	10	headed. I think we're neaded to a point where we can say	
17	premature on that, but the department is continuing to work	17	that the model is calibrated and that the committee reels	
18	on predictive uncertainty, which is associated with	18	that we've exhausted or at least done what we need to do,	
19	(inaudible) here in the chart.	19	so that there's comfort in the calibration and we've gone	
20	MR. BROCKWAY: This Is Chuck. I think you're	20	through a validation process that will be further defined	
21	right: What we are getting from the uncertainty analysis	21	by Rick, to look at independent data and, you know, apply	
22	as it's currently structured is some indication of	22	the model or place that data in the model to verify or	
23	predictive uncertainty. But I think it appears from the	23	validate the results of the original model. And then	
24	discussion of the director he's probably at the same	24	there's a predictive uncertainty component of that and it	
25	position now as he was at the first hearing where he said,	25	will have some percentages of variation and then I think we	
	22		23	
				_
1	say, Well, the model's been calibrated, it's been	1	some pretty wide variability in spring flow simulations and	
1	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the	1 2	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001	
1 2 3	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the	1 2 3	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible)	
1 2 3 4	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is	1 2 3 4	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet.	
1 2 3 4 5	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it	1 2 3 4 5	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No.	
1 2 3 4 5 6	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department.	1 2 3 4 5 6	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay.	
1 2 3 4 5 6 7	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand.	1 2 3 4 5 6 7	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of	r
1 2 3 4 5 6 7 8	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand.	1 2 3 4 5 6 7 8	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change	r
1 2 3 4 5 6 7 8 9	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously).	1 2 3 4 5 6 7 8 9	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run.	 r
1 2 3 4 5 6 7 8 9 10	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously).	1 2 3 4 5 6 7 8 9 10	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not	
1 2 3 4 5 6 7 8 9 10 11	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again.	1 2 3 4 5 6 7 8 9 10 11	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway.	r
1 2 3 4 5 6 7 8 9 10 11 12	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone?	1 2 3 4 5 6 7 8 9 10 11 12	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today?	r
1 2 3 4 5 6 7 8 9 10 11 12 13	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not.	1 2 3 4 5 6 7 8 9 10 11 12 13	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to	
1 2 3 4 5 6 7 8 9 10 11 12 13 14	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen,	1 2 3 4 5 6 7 8 9 10 11 12 13 14	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or	r
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a	r
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite Is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today on tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and	r
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this weekend and Allen said he hadn't had time to review it. I	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and who's going to do it?	r
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this weekend and Allen said he hadn't had time to review it. I was just in his office 20 minutes ago.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today on tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and who's going to do it? MR. RAYMONDI: That's easy to do and we can	r
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite Is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this weekend and Allen said he hadn't had time to review it. I was just in his office 20 minutes ago. MR. SPACKMAN: Do you have a favorite. Chuck?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and who's going to do it? MR. RAYMONDI: That's easy to do and we can provide that.	r
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this weekend and Allen said he hadn't had time to review it. I was just in his office 20 minutes ago. MR. SPACKMAN: Do you have a favorite, Chuck? MR. BROCKWAY: Pardon?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and who's going to do it? MR. SPACKMAN: I thought we'd agreed and I	r
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this weekend and Allen said he hadn't had time to review it. I was just in his office 20 minutes ago. MR. BROCKWAY: Pardon? MR. SPACKMAN: Do you have a favorite?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today on tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and who's going to do it? MR. RAYMONDI: That's easy to do and we can provide that. MR. SPACKMAN: I thought we'd agreed and I wanted to come back to this subject, Robyn but I think	r
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this weekend and Allen said he hadn't had time to review it. I was just in his office 20 minutes ago. MR. SPACKMAN: Do you have a favorite, Chuck? MR. BROCKWAY: No. I don't. We've looked at	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and who's going to do it? MR. RAYMONDI: That's easy to do and we can provide that. MR. SPACKMAN: I thought we'd agreed and I wanted to come back to this subject, Robyn but I think if Rick goes through as we talked about and summarizes the	r
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	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this weekend and Allen said he hadn't had time to review it. I was just in his office 20 minutes ago. MR. SPACKMAN: Do you have a favorite, Chuck? MR. BROCKWAY: No, I don't. We've looked at several of them and at least for the ones we've run there's	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	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and who's going to do it? MR. RAYMONDI: That's easy to do and we can provide that. MR. SPACKMAN: I thought we'd agreed and I wanted to come back to this subject, Robyn but I think if Rick goes through as we talked about and summarizes the simulations, the predictive uncertainty runs that have	r
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	say, Well, the model's been calibrated, it's been validated, and there is some uncertainty and here's the ranges of that uncertainty and then people can argue the various sides about what that really means. You know, is it significant; is it not significant; and how should it factor into the ultimate decision of the department. MR. HAMMERLE: That's helpful to understand. (Voices talking simultaneously). MR. BROCKWAY: Hey, Rick, this is Chuck again. Is Allen on the phone? MR. RAYMONDI: No, he's not. MR. BROCKWAY: Okay. I got an e-mail from Allen, who said relative to calibration runs that Allen's favorite is run number E120116A001. Is that still true? MR. RAYMONDI: As far as I know. But like I said, there's a run that just came off the computer this weekend and Allen said he hadn't had time to review it. I was just in his office 20 minutes ago. MR. SPACKMAN: Do you have a favorite, Chuck? MR. BROCKWAY: No, I don't. We've looked at several of them and at least for the ones we've run there's 24	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	some pretty wide variability in spring flow simulations and I was just wondering if he had done anything after the 001 run. And apparently he has but it isn't on the (inaudible) yet. MR. RAYMONDI: No. MR. BROCKWAY: Okay. MR. RAYMONDI: We'll share that with you today of tomorrow. And I'll ask him to update if there's any change in his favorite run. MR. BROCKWAY: Yes, ask him that. He may not answer, but ask him anyway. MR. SPACKMAN: Other questions today? MS. BRODY: Is there any plan, Rick, I mean to sort of I know you said I can go back to the minutes or whatever and sort of look at all of this. Is there any plan to put together in a single place with this chart a real checklist? I say real. I just mean a detailed checklist about what it is that's going to be done and who's going to do it? MR. SPACKMAN: I thought we'd agreed and I wanted to come back to this subject, Robyn but I think if Rick goes through as we talked about and summarizes the simulations, the predictive uncertainty runs that have 25	r

.

_



EXHIBIT 3

Items required for completion of Eastern Snake Plain Aquifer Model							
ESPAM version 2.0							
Item	Status	Comments					
Assemble Validation Data Sets	Data set essentially complete for 2009/ 2010 validation. IDWR recently received 2009-2010 spring flows at Niagara and Blue Lakes, and the data will be entered later this week for comparison with modeled values.	ESHMC is aware that validation is going forward using averages for missing data components. Preliminary run was presented to committee on April 16 th . Results to date are encouraging, and completion of validation is on track.					
	accombled	complete model by mid-luly					
	assembled.	complete moder by mid-saly.					
Model Calibration	IDWR proposed calibration runs E120116A006 & E120116A008 to ESHMC for review on March 5 th .	ESHMC adopted calibration run E120116A008 on March 7 th . E120116A008 is incorporated in validation and uncertainty runs.					
Model Validation	Using calibrated model, validation with 2009/2010 dataset began in March. Preliminary results presented to ESHMC April 16 th . Updated runs in progress.	ESHMC provided comments and recommendations on how to present results during April 16 th meeting. Results of 1902 validation runs will be done in					
	Validation run is being planned.	late April/May, shared with committee, and later discussed in the June 21 st meeting.					
Predictive Uncertainty runs	Runs with newly calibrated dataset began week of March 12 th . Fifteen runs have been completed and were presented to the ESHMC for discussion.	Runs will continue through early summer. IDWR will perform uncertainty runs after mid- July, but effort will not impact completion. ESHMC will be routinely notified of results. Discussions will be held in ESHMC meetings.					
Comparison of ESPAM version 1.1 with version 2.0	A work plan for comparing the results of the Curtailment Scenario using ESPAM version 1.1 and version 2 was developed and sent to the committee for comment on March 23 rd .	The work plan was discussed with the committee on April 16 th . Comparison runs will likely be completed in May. Results will be sent to committee when completed and discussed in the June 21 st ESHMC meeting.					
June 21 st ESHMC meeting	Meeting agenda will be sent to committee and will include results of validation, uncertainty, and comparison of ESPAM version 1.1 with version 2.0.	IDWR will provide consultants and committee members training on procedures for simulating a curtailment of junior priority ground water users. Training held June 22 nd .					

1	BEFORE THE DEPARTMENT OF WATER RESOURCES	
2	OF THE STATE OF IDAHO	
3		
4	* * * * *	
5		
6		
7	IN THE MATTER OF DISTRIBUTION)	
8	36-02551 and 36-07694) CM-DC 2011-004	
9	(RANGEN, INC.)	
10		
11	REPORTER'S TRANSCRIPT	
12	OF RECORDED MEARING	
13		
14	DATE: April 28, 2012	
15	LOCATION: Idaho Department of Water Resources	5
16	Boise, Idaho.	
17		
18	Before Interim Director Gary Spackman	
19		
20		
21		
22	Transcribed by.	
23	Maureen Newton, CSR #321	
24	Heyburn, ID 83336	
25		
	1 EXHIBIT 4	

:4:

·····

Ī

Ī

Ī

Page 1 to 1 of 36

1	MR. HAMMERLE: Rick, Garrick, you said one thing	1	some concerns about training and how you define the
2	that interests me. It seems like we're rolling out a model	2	mechanics and keep the mechanics out of the policy. And I
3	that might have some policy overlays over the model. And	3	suppose I don't understand that boundary right now, unless
4	I'll just kind of cut to the chase: In our mind under 1.0	4	the mechanics are simply trying to go through and show how
5	there was a trim line policy that overlaid the model and	5	a comparison of ESPAM 1.1 was completed. A comparison of
6	you said that there may be some policy decisions with	6	1.1 and 2.0. Because I think in making that comparison you
7	respect to ESPAM 2.0. Do we expect those policy decisions	7	probably have to go back to certain assumptions that were
8	to be made before or at the time the model is rolled out;	8	made in 1.1, otherwise you can't. The comparison is apples
9	or, director, are those things you may roll out based on	9	and oranges is my guess. I don't know. I'm not close
10	what we've presented evidentiary hearings?	10	enough to it.
11	MR. SPACKMAN: My inclination is, I think we've	11	MR. BROCKWAY: This is Chuck Brockway.
12	been consistent about this, is to have the model roll out	12	Gary, you know, the modeling committee has acted
13	and have it from a policy standpoint be very sterile. In	13	as an advisory to the department or to you on the model and
14	other words, it's clean from a policy determination and	14	on the development of ESPAM 2, and it would seem to me like
15	then let the parties present evidence regarding how that	15	you would want advice from the committee relative to the
16	model should be used so that I mean I certainly want to	16	capabilities of the model. If the model is capable of
17	be well enough versed in what's happening with it that I	17	simulating individual spring flows it would seem that you
18	understand what's going on as the evidence comes in, but I	18	would want the modeling committee to weigh in on that
19	want to come in with as clean a slate as I can and have the	19	capability so that you could develop a rational policy.
20	parties present.	20	And I think they're prepared to do that.
21	MR. HAMMERLE: It's always been our	21	So to defer, in my opinion, to say I'm not even
22	understanding, director, too, We appreciate that. The	22	going to decide whether that model is capable of simulating
23	word policy just came up so we didn't want to be surprised	23	an individual spring until after the evidentiary hearing.
24	or confused at any particular comment.	24	it seems that your advisory committee on that topic is
25	MR. SPACKMAN: And I quess, Rick, I still have	25	somewhat useless.
	18		19
1	MR. SPACKMAN: But isn't this the subject, Chuck,	1	our policy, what we would suggest. And we've done that
1	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the	1	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden
1 2 3	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be?	1 2 3	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion.
1 2 3 4	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah.	1 2 3 4	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we
1 2 3 4 5	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information	1 2 3 4 5	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are
1 2 3 4 5 6	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be	1 2 3 4 5 6	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function
1 2 3 4 5 6 7	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented.	1 2 3 4 5 6 7	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've
1 2 3 4 5 6 7 8	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide	1 2 3 4 5 6 7 8	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies
1 2 3 4 5 6 7 8 9	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have	1 2 3 4 5 6 7 8 9	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be
1 2 3 4 5 6 7 8 9	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the	1 2 3 4 5 6 7 8 9	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the
1 2 3 4 5 6 7 8 9 10	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort	1 2 3 4 5 6 7 8 9 10	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary
1 2 3 4 5 6 7 8 9 10 11	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group.	1 2 3 4 5 6 7 8 9 10 11 12	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the
1 2 3 4 5 6 7 8 9 10 11 12 13	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the	1 2 3 4 5 6 7 8 9 10 11 12 13	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith.
1 2 3 4 5 6 7 8 9 10 11 12 13 14	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the	1 2 3 4 5 6 7 8 9 10 11 12 13 14	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be presented in the evidentiary hearing through expert	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it and been consistent from the beginning. And Chuck does not
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be presented in the evidentiary hearing through expert opinion.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it and been consistent from the beginning. And Chuck does not give his opinions about policy. or if he does. it's in
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be presented in the evidentiary hearing through expert opinion. MR. HAMMERLE: You know, we and director. I	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it and been consistent from the beginning. And Chuck does not give his opinions about policy, or if he does, it's in response to other experts providing policy and saving this
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. MCHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be presented in the evidentiary hearing through expert opinion. MR. HAMMERLE: You know, we and director, I disagree with that approach for this reason. We've been	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it and been consistent from the beginning. And Chuck does not give his opinions about policy, or if he does, it's in response to other experts providing policy and saying this isn't what we understand the committee to do. And so I
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. MCHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be presented in the evidentiary hearing through expert opinion. MR. HAMMERLE: You know, we and director, I disagree with that approach for this reason. We've been participating within the committee in good faith trying to	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. MCHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it and been consistent from the beginning. And Chuck does not give his opinions about policy, or if he does, it's in response to other experts providing policy and saying this isn't what we understand the committee to do. And so I don't
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be presented in the evidentiary hearing through expert opinion. MR. HAMMERLE: You know, we and director, I disagree with that approach for this reason. We've been participating within the committee in good faith trying to say. This is our opinion of what the model is capable of	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it and been consistent from the beginning. And Chuck does not give his opinions about policy, or if he does, it's in response to other experts providing policy and saying this isn't what we understand the committee to do. And so I don't MR. HAMMERLE: For example
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	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. McHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be presented in the evidentiary hearing through expert opinion. MR. HAMMERLE: You know, we and director, I disagree with that approach for this reason. We've been participating within the committee in good faith trying to say, This is our opinion of what the model is capable of doing. And based on what it's capable of doing. this is	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	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it and been consistent from the beginning. And Chuck does not give his opinions about policy, or if he does, it's in response to other experts providing policy and saying this isn't what we understand the committee to do. And so I don't MR. HAMMERLE: For example MS. McHUGH: bad faith issue. I think he's
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	MR. SPACKMAN: But isn't this the subject, Chuck, that was supposed to be presented in the beige paper on the model paper, or whatever other color it was supposed to be? MR. BROCKWAY: I think it should be, yeah. MR. SPACKMAN: I guess I thought that information was being developed by the modeling committee and would be presented. MS. MCHUGH: And I would hesitate to provide what our letter goes towards and if you don't have copies then I'll send it to you is a concern that the modeling committee consensus or whatever takes on some sort of legal significance different than an advisory group. Because we know that not all the experts see things the same way. So I understood that the white paper, or the model paper, was going to be just a summary of everybody's comments on what the model can or cannot do or what considerations should or shouldn't be considered. That the actual evidence the director would be considering would be presented in the evidentiary hearing through expert opinion. MR. HAMMERLE: You know, we and director, I disagree with that approach for this reason. We've been participating within the committee in good faith trying to say, This is our opinion of what the model is capable of doing. And based on what it's capable of doing, this is	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	our policy, what we would suggest. And we've done that throughout this entire committee. We have not hidden any we've tried not to hide any of our expert opinion. And, you know, if this is to be an effective committee we would ask that IGWA presents what limitations it thinks are with respect to 2.0 or the committee can't function properly. The department is working on the model. We've presented what we think are the limits, what policies should come from that model, and we think it would be really unfair for you and IGWA to sit back silent as the deputy adopts 2.0 and then come out in an evidentiary hearing with stuff that you've just been sitting on the whole time. I don't think that's good faith. MS. McHUGH: And I don't think there's anything in the committee that Chuck Brendecke's not presenting. He comments and provides this information, he's on the committee. I think it's no secret, we are very adamant that the committee's not a policy group and we've said it and been consistent from the beginning. And Chuck does not give his opinions about policy, or if he does, it's in response to other experts providing policy and saying this isn't what we understand the committee to do. And so I don't MR. HAMMERLE: For example MS. McHUGH: bad faith issue. I think he's 21

From:	Raymondi, Rick
To:	Spackman, Gary
Cc:	"marx.hintze@ico.doe.gov"; "marxhintze@hintze.net"; Olenichak. Tony; "kwogsland@spronkwater.com"; "marilyn@tflaw.com"; "irvu@uidaho.edu"; "Dave Shaw"; "brian@waterwellconsultants.com"; "jairohernandez@boisestate.edu"; Weaver. Mathew; "Kevin Boggs"; Jennifer Johnson ; Bob Turik; Brendecke. Chuck; Bryce Contor (bcontor@rockymountainenvironmental.com); Chuck Brockway; Dave Colvin; David Blew ; David Hoekema; David Kampwerth (David Kampwerth@fws.gov); Gary Johnson; Greg Clark; Greg Sullivan; Gregg S. Ten Eyck ; Hal Anderson ; J. D. May; Jack Harrison; Janak Timilsena; Jeff Sondrup; Jim Bartolino; Jim Brannon ; John Koreny; John Lindgren ; Jon Bowling; Ken Skinner; Linda Lemmon; McVay, Michael; Mike Beus; Rick Allen; Rick Raymondi (rick.raymondi@idwr.idaho.gov); Roger Warner; Sharon Parkinson ; Stacey L Tavlor; Sukow, Jennifer; Swank, Lyle; Thomas R Wood; Vincent, Sean; Willem Schreuder; Wylie, Allan; Young Harvey Walker
Subject:	ESPAM version 2.0
Date:	Monday, July 16, 2012 5:09:21 PM

Gary,

The following statement was agreed upon by twenty members of the Eastern Snake Hydrologic Modeling Committee (David Hoekema, Bryce Contor, Willem Schreuder, Jim Brannon, Dave Colvin, Chuck Brockway, Gary Johnson, Chuck Brendecke, Rick Allen, David Blew, John Koreny, Allan Wylie, Jon Bowling, Rick Raymondi, Jennifer Sukow, Jennifer Johnson, Mike McVay, Stacey Taylor, Greg Sullivan, and Sean Vincent):

"The Eastern Snake Hydrologic Modeling Committee recommends that the Department begin using ESPAM version 2 rather than ESPAM version 1.1 for ground water modeling."

There was considerable debate in developing the recommendation with numerous committee members expressing the concern during the last meeting and via emails that the model should be used with caution and that there may be other tools or models that may be more appropriate for some analyses. Greg Sullivan indicated that the recommendation was more complete and he was more comfortable if the following phrase was added to the above statement:

.....although other tools or models may be more appropriate in certain circumstances."

Chuck Brendecke said that he shared Greg's concerns about implying that the model is appropriate for any and all situations.

Finally, Roger Warner indicated that the following paragraph submitted by the Eastern Idaho Water Rights Coalition reflected his opinion, and Bryce Contor indicated that when added to the first statement, the paragraph below represented his full opinion:

The ESHMC has completed the development of the Eastern Snake Plain Aquifer Model (ESPAM) version 2.0. Great effort was put in by the committee to improve the model in hopes that the model can help better predict future hydrologic scenarios. We feel the model is useful for planning purposes but recognize that data used in the model vary in accuracy with select data varying greatly. Therefore, while we feel the model is useful for planning purposes, we acknowledge accuracy limitations with use of the model for administrative purposes; particularly at a local scale. While we have all aspired to the highest level of accuracy attainable, we are forced to admit that if this model were to continue to be used for administrative purposes it must recognize some defensible level of uncertainty. Thanks,

Rick Raymondi

mkmod

Willem A. Schreüder Principia Mathematica August 2011

What is mkmod

- Program to build MODFLOW input files for the ESPAM model
- Replaces the *readinp.for* program used with ESPAM 1.x
 - "Tail end" of the recharge tool
- Operates at the entity-model cell level
 - Maps entity level inputs to model cells
 - Time increments are stress periods (months)

What is new in mkmod

M

- Implements new algorithms for calculating recharge and pumping
 - On farm algorithm
 - Soil Moisture Accounting
 - Returns calculated instead of specified
- Adds output options
 - Steady state initial stress period
 - Separate recharge and well packages
 - Summary tables

Whom to blame for mkmod

- Greg Sullivan (on farm algorithms)
- Willem Schre
 üder (implementation)
- Jim Brannon (peer review)
- Allan Wylie (user testing)
- David Blew (just because we always blame him for everything)

mkmod inputs

- Command line options
 - Controls algorithms, file names, etc.
- mkmod control file (.mdl)
 - Specifies model dimensions, units, periods,...
- Data files
 - Output from other tools that pre-process data
 - Input data such as efficiencies

mkmod outputs

- MODFLOW input files
 - Net recharge a.k.a. "well term"
 - Individual water budget items
- Summary tables
 - HTML table by period and entity
- Diagnostic outputs
 - Acres by cell, ...
 - User specified summeries

mkmod flow chart

- Read definitions and time invariant data
- Loop over periods
 - Read data for current period
 - Calculate irrigated recharge/pumping
 - Calculate non-irrigated recharge
 - Distribute canal seepage
 - Distribute trib underflow and perched river
 - Save data

Irrigated recharge/pumping

- Applied water by entity
 - Diversion-Canal Seepage+Off-site Pumping
- Loop over entities
 - Loop over gravity & sprinkler lands
 - Loop over cells
 - Calculate CIR, pumping recharge, soil moisture
 - Algorithms depend on command line switches

- GW and SW treated differently
- Done on unit area basis, then multiply by acres
- Accumulate irrigated acres

Crop Irrigation Requirement (CIR)

- Done by cell under the entity
- Adjusted ET = ETadj(Gr/Sp) * ET(Cell)
- Precip = Precip(Cell)
- CIR = Adjusted ET Precip

For Groundwater Entities

- If CIR<0, pumping = 0
- Else pumping = CIR/Efficiency(Gr/Sp)
- Recharge = Pumping CIR
- Notes
 - If CIR<0, Recharge = -CIR
 - Net Recharge = -CIR = Recharge-Pumping
 - Recharge = Precip + (1-Eff)*Pumping
 - Soil moisture never changes

For Groundwater Entities

- If CIR<0, pumping = 0
- Else pumping = CIR/Efficiency(Gr/Sp)
- Recharge = Pumping CIR
- Notes
 - If CIR<0, Recharge = -CIR
 - Net Recharge = -CIR = Recharge-Pumping
 - Recharge = Precip + (1-Eff)*Pumping
 - Soil moisture never changes

SW Entities - On Farm Algorithm [®]

- Determine over/under irrigation
 - deficit is the amount of under irrigation
 - excess is the amount of over irrigation
- Adjust soil moisture of deficit/excess
- Recharge = DPin*(1-Eff)*Applied + DPex*Excess
- Runoff = (1-DPin)*(1-Eff)*Applied+(1-DPex)*Excess
- Notes
 - When deficit>0, CIR is not met (ET shorted)
 - When excess>0, Actual Efficiency < Eff(Gr/Sp)

Deficit/Excess Calculation (SW)

- NetApp = Eff(Gr/Sp)*Application CIR
 - if NetApp>0, excess = NetApp, deficit=0
 - if NetApp<0, excess = 0, deficit = -NetApp
- Optional Soil Moisture Adjustment
 - SMsink = field capacity soil moisture
 - SMsource = soil moisture wilting point
 - If deficit>0 & SMsource>0
 - SMchange = min(SMsource, deficit)
 - deficit = deficit + SMchange
 - If excess>0 & SMsink>0
 - SMchange = min(SMsink,excess)
 - excess = excess SMchange

SW Entities – V1.x Algorithm

- Recharge = Application CIR
- Notes
 - Assumes Runoff/Returns are known and subtracted from Applied Water
 - Application efficiency could be 100%
 - Needs manual adjustment to avoid negatives
 - Eff*Applied>=CIR, On Farm algorithm gives the same result, but uses DPex & DPin to partition overage to recharge and runoff

Irrigated Entity Summary

- GW pump to meet CIR
 - SM constant, net pumping=ET-precip
- SW Apply Diversion–Leakage+Pumping
 - SM adjusted for excess or deficit
 - Recharge fixed fraction of applied water plus fixed fraction of an excess
 - Runoff fixed fraction of applied water plus fixed fraction of excess
 - Deficit shorts ET
- Cell by cell for all entities, Sprinkler/Gravity

mkmod flow chart

- Read definitions and time invariant data
- Loop over periods
 - Read data for current period
- **You are here** Calculate irrigated recharge/pumping
 - Calculate non-irrigated recharge
 - Distribute canal seepage
 - Distribute trib underflow and perched river
 - Save data

Non-irrigated recharge

- Area = Cell Area Irrigated Area
 - Calculated when doing irrigated recharge
- Loop over all active cells
 - Recharge = Factor(soil) * NIR * Area

Fixed point & off-site terms

- Loop over all locations
 - Add term to budget
 - Location specified by model cell
 - Budget term specified in .mdl file
 - Wetlands is a special case and have an adjustment factor (currently 1)

Canal Seepage

- Volume specified as total for entity
- Location specified as a list of model cells
- Volume is distributed uniformly to cells

Tributary Underflow & Perched River Seepage

- Volumes specified by reach
- Scale factor for each reach
- Location specified as a list of cells
- Distribute uniformly to cells in reach

Output

R

- Recharge, pumping, etc are accumulated on a cell by cell basis
 - Net Recharge "well term" is the sum of all arrays on a cell by cell basis
 - Arrays can be saved individually or as sum
- Budget terms are accumulated for each irrigation entity
 - Summarized for all SW and GW entities and by entity in the HTML table

Steady State

- Steady State stresses are average of sequence of stress periods
 - Currently 229 (May 1999) to 240 (April 2000)
- mkmod can calculate this average and save it as the first stress period
 - Combines steady state and transient into one MODFLOW run
 - Requires more memory

Running mkmod

R

- Written in Perl, so needs a Perl interpreter
- Mac OS/X, Unix, Linux
 - mkmod <options and parameters>
- Windows
 - Invoke perl explicitly
 - perl mkmod <options and parameters>
 - Compile to EXE using PAR-packer

Production mode command line

- mkmod -ss E110712A
 - Parameter -ss omits steady state, saves only "well term" and requires only 72MB RAM
 - Input files are named E110712A.*
 - Output file is E110712A.net
 - Run time about 10 minutes

Input files with data that apply to a all periods in the simulation

- .mdl Model units, dimensions, periods, ...
- .cel Active cells and cell areas
- .sol Soil type for non-irrigated recharge
- .red Reduction factors (Gravity, Sprinkler)
- .eff On Farm parameters Eff, DPin, DPex,..

Input files with data by Entity (Header + data set for each stress period)

- .ent Entity names; sprinkler fractions
- .iar Irrigated acres by cell
- .div Diversions and returns
- .cnl Canal leakage
- .fpt Fixed point pumping
- .off Off-site pumping
- .pch Perch river seepage
- .trb Tributary underflow

Input files with cell arrays

(no header, just array of values for each stress period)

- .pre Precipitation
- .eti Evapotranspiration
- .nir Non-irrigated recharge

Model Input File (.mdl) (See annotated mdl file for details) Run title (shown in HTML)

- Units
- Stress periods
- Dimensions
- Adjustment factors
- Fixed point definitions
- Debug output
- Minimum non-irrigated area

Cells (.cel) and Soil Types (.sol)

- cel file
 - IBOUND array (1=active,0=inactive)
 - Area by cell (5280 x 5280)
- .sol file
 - Soil index for non-irrigated recharge
 - 1-max (max <= number of soils in .mdl)</p>
 - Dead cells are ignored

ET Reduction Factors (.red)

- Row 1: gravity reduction factor
- Row 2: sprinkler reduction factor
 - Should be a fraction (0=none)
 - One value per stress period

On Farm Factor File (.eff)

M

- One row for each entiry
 - Name
 - Maximum efficiency gravity (0-1)
 - Maximum efficiency sprinkler (0-1)
 - DPin (Deep perc fraction of applied water)
 - DPex (Deep perc fraction of excess water)
 - Wilting point
 - Field Capacity
 - Depth of rooting zone

Entity File (.ent)

33

Header

- Entity Identifier (e.g. IESW029)
- Entity type (SW/GW)
- ET Adjustment Sprinkler
- ET Adjustment Gravity
- Display name
- For each stress period
 - Sprinkler Fraction (one value per entity)

Irrigated Area File (.iar)

- No Header
- For each stress period
 - List of cells (row,col,count)
 - List of entities in that cell
 - List of areas (one per entity)
- Many stress periods repeat previous data

Diversions (.div)

- Header
 - Row listing entities
- Each Stress Period
 - Row of diverted amounts (cubic feet)
 - Row of returns (cubic feet)
 - Returns are zeroed when returns are calculated

Canal Leakage (.cnl)

- Header
 - #Cells, Adjustment, Identifier, Text Name
 - Row Column (rest of row is not used)
 - Could be used to weight spatially
- For each stress period
 - Canal leakage fraction (of diversion)

Fixed Point [Pumping] (.fpt)

Header

- Type Layer Row Column Name
- Current types
 - W Wetlands
 - U Urban Pumping
 - E Exchange Pumping
 - M Mud Lake Pumping
- Stress periods
 - Row of values, one per entry (cubic feet)

Off-site Pumping (.off)

- Header
 - Layer Row Column Entity Name
- For each stress period
 - Row of volumes, one per well (cubic feet)

Command Line

 mkmod [parameters] fileroot fileroot sets default file root for input and output files -o sets alternate output file root --xxx sets alternate input file name, where xxx is he file extension (e.g. --ent foo.ent) -a save service areas (entityname.dat) -s single output file ('well term') -ss No steady state, single output file -S No steady state, separate output files -sss Production mode only output is well file

Command Line Option -m



- FRS (default): Maximum Farm Efficiency using Runoff for Returns and Soil Moisture
- 1: ESPAM 1.1
- MFE: Maximum Farm Efficiency using Fixed Returns
 - ESPAM 1.1 with on farm
- FER: Maximum Farm Efficiency using Runoff for Returns
 - FRS without soil moisture

Output files (-s)

- Net recharge ['well term'] (.net)
 - MODFLOW well file format (k,i,j,q)
- Summary table (.htm)
 - Summarizes input and output by groups and by entity by stress period
- Summary table (.dat)
 - Main summary table for plotting
- Return flows (.rfl)
- Debug output (.rfx)

Output files (separate terms)

- .ppt precipitation recharge
- .can canal seepage
- .tri tributary underflow
- .gwr groundwater deep percolation
- .swr surface water deep percolation
- .wel well pumping

Output Files (acreage)

X

- .AGWgr Groundwater Gravity Acres
- AGWsp Groundwater Sprinkler Acres
- ASWgr Surface Water Gravity Acres
- ASWsp Surface Water Sprinkler Acres

Summary Table Contents (.htm)

- Title and definitions
- Total Non-irrigated, GW & SW by period
- Average values by GW entity
- Individual GW entities by period
- Average values by SW entity
- Individual SW entities by period
- See example file for individual fields
- Column numbers correspond to .dat file

Programing Notes 1

- Major functions
 - Read read next non blank/comment line

- ReadLine Read & split on spaces
- ReadCSV Read array from CSV file
- Open open file and read header
- Next read next period from file
- Average Average summary values
- SaveCell save stresses in cell format
- SaveArea save stresses in array format

Programming Notes 2

- Major Variables
 - Input Data Structures
 - x{type}{...}
 - Structure varies by input data type
 - Output arrays
 - out{type}[period][cell]
 - Volumes (converted to rates when saving)
 - Summary tabes
 - sum[period]{entity}{type}

W. MARCUS W. NYE RANDALL C. BUDGE JOHN A. BAILEY, JR. JOHN R. GOODELL JOHN B. INGELSTROM DANIEL C. GREEN BRENT O. ROCHE KIRK B. HADLEY FRED J. LEWIS ERIC L. OLSEN CONRAD J. AIKEN RICHARD A. HEARN, M.D. LANE V. ERICKSON FREDERICK J. HAHN, III PATRICK N. GEORGE SCOTT J. SMITH JOSHUA D. JOHNSON DAVID E. ALEXANDER STEPHEN J. MUHONEN CANDICE M. MCHUGH CAROL TIPPI VOLYN JONATHAN M. VOLYN THOMAS J. BUDGE BRENT L. WHITING DAVE BAGLEY JASON E. FLAIG FERRELL S. RYAN, III AARON A. CRARY JOHN J. BULGER BRETT R. CAHOON BOYD J. HAWKINS

LAW OFFICES OF

RACINE OLSON NYE BUDGE & BAILEY CHARTERED

101 SOUTH CAPITOL BOULEVARD SUITE 300 BOISE, IDAHO 83702

TELEPHONE (208) 395-0011 FACSIMILE (208) 433-0167

WWW.RACINELAW.NET

SENDER'S E-MAIL ADDRESS:

September 25, 2012

POCATELLO OFFICE

201 EAST CENTER STREET P.O. BOX (39) POCATELLO, IDAHO 83204 TELEPHONE: (208) 232-8109 FACSIMILE: (208) 232-8109

IDAHO FALLS OFFICE

477 SHOUP AVENUE SUITE 107 POST OFFICE BOX B0698 IDAHO FALLS, ID 83405 TELEPHONE: (208) 528-6101 FACSIMILE: (208) 529-6101

ALL OFFICES TOLL FREE (877) 232-6101

LOUIS F. RACINE (1917-2005) WILLIAM D. OLSON, OF COUNSEL JONATHON S. BYINGTON, OF COUNSEL JEFFREY A.WARR, OF COUNSEL

Robyn M. Brody Brody Law Office, PLLC PO Box 554 Rupert, ID 83350

Fritz X. Haemmerle Haemmerle & Haemmerle, PLLC PO Box 1800 Hailey, ID 83333 J. Justin May May, Browning & May 1419 W. Washington Boise, ID 83702

SENT VIA EMAIL robynbrody@hotmail.com fxh@haemlaw.com jmay@maybrowning.com

RE: Rangen Delivery Call (CM-DC-2011-004) ESPAM 2.0 computer code modules

Dear Counsel:

This letter is sent in a good faith effort to secure information and documentation that our expert Chuck Brendecke needs to properly evaluate ESPAM 2.0 for the upcoming administrative hearing on Rangen's delivery call. It is our understanding that some of the information needed to complete the documentation supporting ESPAM 2.0 is held by your expert, Jim Brannon. We ask that you provide all such information, including electronic data and documentation regarding the computer code modules MKMOD, the On-Farm Algorithm, and Mr. Brannon's analysis and decomposition of Rangen spring flows used as the target for ESPAM 2.0 calibration.

It was the understanding of Dr. Brendecke that Mr. Brannon would submit this information to the Eastern Snake Hydrologic Modeling Committee well in advance of the October 10, 2012, deadline for opening expert reports in this case, which has not occurred. The lack of this

EXHIBIT 7

September 25, 2012 Page 2 of 2

information compromises Dr. Brendecke's ability to render an opinion on how ESPAM 2.0 should be applied to the Rangen delivery call.

Because the deadline for opening reports is fast approaching, I am requesting that this information be provide to Dr. Brendecke by the end of business tomorrow, September 26, 2012. If you are not able to comply with this request, please let me know as soon as possible.

Sincerely, T.J. BUDGE

cc: Garrick Baxter (<u>Garrick.Baxter@idwr.idaho.gov</u>) Chris Bromley (<u>Chris.Bromley@idwr.idaho.gov</u>) Sarah A. Klahn (<u>SarahK@white-jankowski.com</u>) Mitra Pemberton (<u>MitraP@white-jankowski.com</u>) Travis Thompson (<u>tlt@idahowaters.com</u>) Jerry Rigby (<u>jrigby@rex-law.com</u>)

BRODY LAW OFFICE, PLLC P.O. BOX 554 RUPERT, IDAHO 83350 (208) 420-4573 robynbrody@hotmail.com

September 25, 2012

TJ Budge Racine Olson 201 East Center Street Pocatello, ID 83204

Re: Jim Brannon Information

Dear TJ:

I received your letter this afternoon and have had a chance to discuss it with Mr. Brannon. It is my understanding that Mr. Brannon reviewed the computer code used for MKMOD5 in approximately November 2010 and gave a powerpoint presentation to the ESHMC concerning his findings. Copies of his Powerpoint slides are attached to this email. I understand that MKMOD8 is now being used. Mr. Brannon has done no review of MKMOD8. Mr. Brannon has been looking through some of the ESHMC documentation that is available on-line and he has told me that some information concerning MKMOD is available through the following link:

http://www.idwr.idaho.gov/Browse/WaterInfo/ESPAM/Recharge_tool_threaded_discussions/MK%20mod%20changes/.

I am not sure what type of information that Mr. Brendecke is looking for, but perhaps this link will assist him.

With respect to Rangen's historical spring flows, Mr. Brannon gave a Powerpoint presentation to the ESHMC in September 2009 prior to Rangen's spring being made a target. I provided a copy of that presentation to Ms. McHugh via email before the site visit in June 2012. The data and Mr. Brannon's presentation were also produced by IDWR in response to one of IGWA's document requests to the Department. It is on Disk 3 of 6, Folder: RangenHistoricDischarge Rangen Water History for IDWR.xls (a copy is also attached to this email). The presentation can also be found at:

http://www.idwr.idaho.gov/Browse/WaterInfo/ESPAM/meetings/2009_ESHMC/ 9-21%2622-2009/rangen_data_presentation.pdf

You mentioned in your letter that Mr. Brendecke understood that Mr. Brannon would submit the information outlined in your letter "well in advance" of the October 10th deadline for expert witness reports. Mr. Brannon has not done any work on MKMOD5 or Rangen's historic

TJ Budge September 25, 2012 Page - 2

.

spring flows for at least two years. His analysis of these issues was presented to the ESHMC long ago and is complete.

TJ, if I have misunderstood something, please give me a call to discuss this further.

Very truly yours,

BRODY LAW OFFICE, PLLC

brock By: Robyn M. Brody

1	BEFORE THE DEPARTMENT OF WATER RESOURCES
2	OF THE STATE OF IDAHO
3	
4	* * * *
5	
6	
7	IN THE MATTER OF DISTRIBUTION)
8	OF WATER TO WATER RIGHT NOS.) 36-02551 and 36-07694) CM-DC 2011-004
9	(RANGEN, INC.)
10)
11	REPORTER'S TRANSCRIPT
12	OF RECORDED HEARING
13	
14	DATE: May 24, 2012
15	LOCATION: Idaho Department of Water Resources
16	322 East Front Street, Boise, Idaho.
17	
18	Before Interim Director Gary Spackman
19	
20	
21	
22	
23	Transcribed by: Maureen Newton, CSR #321
24	P.O. Box 132 Heyburn, ID 83336
25	

18

1

EXHIBIT 9

٢	1	I'd like to have an order placed before the beginning of	1	the case aggressively, kind of seeing where the model was,
	2	the next irrigation season.	2	to make sure that it was in fact going to stay on track.
	3	So I think May is too late for me, Candace.	3	Since the last status conference when we realized the model
	4	MS. McHUGH: And if you would indulge me as to	4	was on track and we were going to have it in July the
	5	what we were thinking, just for my benefit and maybe this	5	parties exchanged hearing schedules. You know, we talked
	6	would help for some of the other parties.	6	about a site visit. We have it tentatively scheduled for
	7	Rangen made the delivery call in December and at	7	the middle of June.
l	8	that point we came to the conclusion that it didn't make	8	But the reality is, is Rangen's case and IGWAs
l	9	sense to go forward under the old model and there was a	9	cases are very different, and the preparation time, the
l	10	conclusion that we needed to proceed with the new model.	10	fact of the matter is, is going to be different. We have
	11	My proposal of a May 1st hearing date is actually	11	to defend the call. We have to look at the trim line. We
	12	less than a year from the time we have all of the	12	have to come up with ways to, you know, express the trim
	13	production tools that are in the new model available to	13	line both from a technical potential or some other basis
	14	Chuck. I originally thought, you know, a late winter/early	14	for the trim line. We also need to be able to inspect
1	15	spring hearing was probably going to be doable, and then	15	their facilities, understand their water use, look at their
	16	talking to Chuck and the kind of effort that needs to	16	diversion structures, understand the spring discharge, all
	17	happen on running the model and then getting that	17	of the information of which Rangen has at its disposal and
	18	information to our other experts to use that information to	18	we have to discover and then incorporate into all of these
	19	then be able to construct expert reports, it just was too	19	different expert reports.
	20	quick.	20	Their case kind of rises and falls on the fact
ł	21	The proposal was basically in July. The model	21	that they don't have their claim of not enough water and
	22	will be done and in less than 30 days Chuck would have his	22	that the model answers all their questions. The defense
	23	original expert report done. I mean, I think that's	23	requires more work, frankly, and we just weren't able to
	24	pushing it. And based on the party's agreement in	24	come up with a way to do that so quickly from July on. The
	25	December, you know, in good faith we decided not to pursue	25	main hearing date is ten months after the time Chuck has
		6		7
			L	
$\left \right $	1	all the production tools in place to work with that and	1	I think they proposed a month later and we proposed about
	1 2	all the production tools in place to work with that and work with our other model people. It's less than a year	1 2	I think they proposed a month later and we proposed about three months later. And then when I looked at the
	1 2 3	all the production tools in place to work with that and work with our other model people. It's less than a year from our site visit. And the fact is, is that's I think a	1 2 3	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a
	1 2 3 4	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule.	1 2 3 4	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April,
	1 2 3 4 5	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I thInk a reasonable schedule. Pushing it I think is prejudicial to the	1 2 3 4 5	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind
	1 2 3 4 5 6	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I thInk a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put	1 2 3 4 5 6	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason
	1 2 3 4 5 6 7	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I thInk a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information	1 2 3 4 5 6 7	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because
	1 2 3 4 5 6 7 8	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as	1 2 3 4 5 6 7 8	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to
	1 2 3 4 5 6 7 8 9	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you	1 2 3 4 5 6 7 8 9	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April.
	1 2 3 4 5 6 7 8 9 10	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also	1 2 3 4 5 6 7 8 9 10	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the
	1 2 3 4 5 6 7 8 9 10 11	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be	1 2 3 4 5 6 7 8 9 10 11	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or
	1 2 3 4 5 6 7 8 9 10 11 12	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I thInk a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I thInk we should be fairly able to discover and our experts should be fairly	1 2 3 4 5 6 7 8 9 10 11 12	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen
	1 2 3 4 5 6 7 8 9 10 11 12 13	all the production tools in place to work with that and work with our other model people. It's less than a year from our site visit. And the fact is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information.	1 2 3 4 5 6 7 8 9 10 11 12 13	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them
	1 2 3 4 5 6 7 8 9 10 11 12 13 14	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases	1 2 3 4 5 6 7 8 9 10 11 12 13 14	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately.
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I thInk a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I thInk we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I thInk a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I thInk we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued,	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	all the production tools in place to work with that and work with our other model people. It's less than a year from our site visit. And the fact is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we were already starting out with data from the department.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of the May 1st hearing date didn't have to do with the fact
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	all the production tools in place to work with that and work with our other model people. It's less than a year from our site visit. And the fact is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we were already starting out with data from the department. The department had done a lot of information and discovery	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of the May 1st hearing date didn't have to do with the fact that it makes another by on the Irrigation season. I just
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we were already starting out with data from the department. The department had done a lot of information and discovery and we were reacting to information that was already there.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of the May 1st hearing date didn't have to do with the fact that it makes another by on the Irrigation season. I just really think it's based on the timing of when we have the tracks available to us.
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	all the production tools in place to work with that and work with our other model people. It's less than a year from our slte visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we were already starting out with data from the department. The department had done a lot of information and discovery and we were reacting to information that was already there. Now we are actually creating it. And so I think it's more	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of the May 1st hearing date didn't have to do with the fact that it makes another by on the Irrigation season. I just really think it's based on the timing of when we have the tools available to us. And Chuck can certainly weigh in on
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22	all the production tools in place to work with that and work with our other model people. It's less than a year from our site visit. And the fact Is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we were already starting out with data from the department. The department had done a lot of information and discovery and we were reacting to information that was already there. Now we are actually creating it. And so I think it's more reasonable to have a hearing that gives us the time we need	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of the May 1st hearing date didn't have to do with the fact that it makes another by on the Irrigation season. I just really think it's based on the timing of when we have the tools available to us. And Chuck can certainly weigh in on that, but we really did give it some consideration on when
	1 2 3 4 5 6 7 8 9 10 11 22 3 4 5 6 7 8 9 10 11 22 12 23 24	all the production tools in place to work with that and work with our other model people. It's less than a year from our site visit. And the fact is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we were already starting out with data from the department. The department had done a lot of information and discovery and we were reacting to information that was already there. Now we are actually creating it. And so I think it's more reasonable to have a hearing that gives us the time we need and it's based really on looking from July to when the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of the May 1st hearing date didn't have to do with the fact that it makes another by on the Irrigation season. I just really think it's based on the timing of when we have the tools available to us. And Chuck can certainly weigh in on that, but we really did give it some consideration on when we could get our first expert reports reasonably and fairly field after we got the information we needed. So I would
	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	all the production tools in place to work with that and work with our other model people. It's less than a year from our site visit. And the fact is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we were already starting out with data from the department. The department had done a lot of information and discovery and we were reacting to information that was already there. Now we are actually creating it. And so I think it's more reasonable to have a hearing that gives us the time we need and it's based really on looking from July to when the first expert report could reasonably be done.	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	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtailment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of the May 1st hearing date didn't have to do with the fact that it makes another by on the Irrigation season. I just really think it's based on the timing of when we have the tools available to us. And Chuck can certainly weigh in on that, but we really did give it some consideration on when we could get our first expert reports reasonably and fairly filed after we got the information we needed. So I would ask for a longer hearing date - for a hearing date later
	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	all the production tools in place to work with that and work with our other model people. It's less than a year from our site visit. And the fact is, is that's I think a reasonable schedule. Pushing it I think is prejudicial to the Groundwater Users and will essentially not allow us to put together the kind of case to present you with information you need to look at all of the different policy as well as technical information. This is not just a case of, you know, the model and what it says, et cetera. There's also other considerations, and that stuff I think we should be fairly able to discover and our experts should be fairly able to conclude and share that information. And then also built into this, the other cases that we've tried took much longer from the time the first order was issued. Not when the delivery call was issued, but the first order was issued, and the hearing, and we were already starting out with data from the department. The department had done a lot of information and discovery and we were reacting to information that was already there. Now we are actually creating it. And so I think it's more reasonable to have a hearing that gives us the time we need and it's based really on looking from July to when the first expert report could reasonably be done. And I think that's the area where the change was.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 3 24 25	I think they proposed a month later and we proposed about three months later. And then when I looked at the schedule, basically I understand the director has a two-week hearing that I'm actually involved in in April, starting April 15th, so that took the month of April kind of out of the equation. So that month, in part the reason the schedule starts in May, three months later, is because we have an April challenge from the director's schedule to not have it start in April. But anyway, you know, the solutions and the timing of what the Ground Water District's pumping may or may not effect the sprinklers at Rangen didn't happen immediately and any curtallment isn't going to give them water immediately. That's not to discount the fact that you don't want to go through another irrigation season, I understand that. But I want the director to know that my picking of the May 1st hearing date didn't have to do with the fact that it makes another by on the Irrigation season. I just really think it's based on the timing of when we have the tools available to us. And Chuck can certainly weigh in on that, but we really did give it some consideration on when we could get our first expert reports reasonably and fairly filed after we got the information we needed. So I would ask for a longer hearing date for a hearing date later.

1	MR. HAMMERLE: Director, first and foremost we	1	January 28th.
2	think we can actually live with your date of December. Our	2	MR. SPACKMAN: I'm willing to go to there. But
3	experts have been working I think within the committee.	3	to have sufficient time to issue an order by the 1st of
4	We've been working on validation, calibration,	4	April, which to me is drop-dead time for issuance of an
5	uncertainties, and these aren't secrets. Hopefully IGWA's	5	order for the irrigation season, I think any later than
6	experts are working within the committee, can anticipate	6	that, and that's consistent with the other orders that were
7	what the committee's doing and exactly what the Issues are.	7	issued, I need to hold a hearing at the end of January or
8	This is frankly the first time I've heard about a trim line	8	first of February. What day is the 28th?
9	from IGWA.	9	MS. BRODY: It's a Monday.
10	You told Robyn in confidence or not in confidence	10	MR. SPACKMAN: So I guess I'm willing to move off
11	that you were going to do that. We understood you were	11	of the earlier date, move into January, but I don't see a
12	going to do that. We think you have plenty of time within	12	way. And under the schedule we have outlined, Candace,
13	the committee to propose that, at least anticipate it	13	that would give your expert not one month, but about three
14	within your own experts what that might be. So, you know,	14	to prepare, and all the experts to prepare their original
15	if you want to move, director, with the December date, we	15	reports, looking at the SeaPac order that was issued. So
16	think we can accommodate that. Our experts are prepared.	16	they'd have 90 days, plus the time starting right now to
17	We've been working on these issues and we should be able to	17	prepare.
18	go on your deadline. So if that's the date that you want,	18	And we can listen to Rick and what he has to say,
19	director, then that's the date we'll live with.	19	but my guess is, because I haven't heard noise, is we're
20	MR. SPACKMAN: I think in listening to Candace:	20	moving forward within the next couple months and we'll be
21	Candace, you pointed out some compelling reasons why maybe	21	ready to go. That's my guess. So I think the parties can
22	there ought to be additional time, so I'm willing to move	22	gear up and start preparing.
23	back to a January or 1st of February hearing date. End of	23	And I guess the other point that I'll make here
24	January, 1st of February. When you were you proposing?	24	is and I haven't gone back and read it for quite
25	MR. HAMMERLE: We had actually proposed	25	awhile but my understanding of the court orders that
1	10		11
		1	
		1	
1	have been issued is that the courts have said that the	1	question is, the pre file with pre-filed testimony and
1 2	have been issued is that the courts have said that the director has the responsibility to afford the partles a	1 2	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You
1 2 3	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that	1 2 3	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more
1 2 3 4	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think	1 2 3 4	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we
1 2 3 4 5	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time	1 2 3 4 5	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also
1 2 3 4 5 6	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were	1 2 3 4 5 6	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid
1 2 3 4 5 6 7	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely.	1 2 3 4 5 6 7	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not
1 2 3 4 5 6 7 8	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do	1 2 3 4 5 6 7 8	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question.
1 2 3 4 5 6 7 8 9	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve?	1 2 3 4 5 6 7 8 9	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible).
1 2 3 4 5 6 7 8 9 10	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's	1 2 3 4 5 6 7 8 9	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing
1 2 3 4 5 6 7 8 9 10 11	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all	1 2 3 4 5 6 7 8 9 10	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. MCHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs
1 2 3 4 5 6 7 8 9 10 11 11	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct	1 2 3 4 5 6 7 8 9 10 11 12	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing.
1 2 3 4 5 6 7 8 9 10 11 12 13	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption?	1 2 3 4 5 6 7 8 9 10 11 12 13	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. MCHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I
1 2 3 4 5 6 7 8 9 10 11 12 13 14	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive	1 2 3 4 5 6 7 8 9 10 11 12 13 14	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. MCHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. MCHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. MCHUGH: Okay, that could be.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. MCHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. MCHUGH: Okay, that could be. MS. KLAHN: Or was it A&B? It was the one where
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a contested case rules, where if the parties agree they can	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. McHUGH: Okay, that could be. MS. KLAHN: Or was it A&B? It was the one where we didn't have fully pre filed testimony.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a contested case rules, where if the parties agree they can submit things as I forget what those are called	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. MCHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. MCHUGH: Okay, that could be. MS. KLAHN: Or was it A&B? It was the one where we didn't have fully pre filed testimony. MS. MCHUGH: Okay. So I'm just saying that
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a contested case rules, where if the parties agree they can submit things as I forget what those are called they're in the contested rules statements kind of	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. MCHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. MCHUGH: Okay, that could be. MS. KLAHN: Or was it A&B? It was the one where we didn't have fully pre filed testimony. MS. MCHUGH: Okay. So I'm just saying that that's a consideration when you look at this, as far as if
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a contested case rules, where if the partles agree they can submit things as I forget what those are called they're in the contested rules statements kind of affidavits, for lack of a better word, with the parties	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. McHUGH: Okay, that could be. MS. KLAHN: Or was it A&B? It was the one where we didn't have fully pre filed testimony. MS. McHUGH: Okay. So I'm just saying that that's a consideration when you look at this, as far as if we do all examination orally.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a contested case rules, where if the parties agree they can submit things as I forget what those are called they're in the contested rules statements kind of affidavits, for lack of a better word, with the parties agreeing?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. KLAHN: Or was it A&B? It was the one where we didn't have fully pre filed testimony. MS. McHUGH: Okay, So I'm just saying that that's a consideration when you look at this, as far as if we do all examination orally. MR. HAMMERLE: I think pre filed with the
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a contested case rules, where if the partles agree they can submit things as I forget what those are called they're in the contested rules statements kind of affidavits, for lack of a better word, with the parties agreeing? MR. BAXTER: Pre-filed testimony?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. McHUGH: Okay, that could be. MS. KLAHN: Or was it A&B? It was the one where we didn't have fully pre filed testimony. MS. McHUGH: Okay. So I'm just saying that that's a consideration when you look at this, as far as if we do all examination orally. MR. HAMMERLE: I think pre filed with the opportunity to cross-examine would be, you know
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the parties. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a contested case rules, where if the partles agree they can submit things as I forget what those are called they're in the contested rules statements kind of affidavits, for lack of a better word, with the parties agreeing? MR. BAXTER: Pre-filed testimony? MS. McHUGH: That's what we've done in the past	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. McHUGH: Okay, that could be. MS. KLAHN: Or was it A&B? It was the one where we didn't have fully pre filed testimony. MS. McHUGH: Okay. So I'm just saying that that's a consideration when you look at this, as far as if we do all examination orally. MR. HAMMERLE: I think pre filed with the opportunity to cross-examine would be, you know MS. McHUGH: (Inaudible).
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	have been issued is that the courts have said that the director has the responsibility to afford the partles a hearing, (inaudible) the director needs to expedite that hearing and that the director can't delay. And I think there was some dissatisfaction expressed with the time frames within which the hearings were held and orders were timely issued. And I want to be sensitive and be timely. Sounds to me like January 28th is a good day. How long do we need to reserve? MS. McHUGH: If I understood the director's comments from earlier this year, you were anticipating all life witness testimony, correct? Is that a correct assumption? MR. SPACKMAN: Well, I'm happy to receive testimony as has been received previously, if that's the preference of the partles. Go ahead. MR. HAMMERLE: Do you want to adopt somewhat of a contested case rules, where if the partles agree they can submit things as I forget what those are called they're in the contested rules statements kind of affidavits, for lack of a better word, with the parties agreeing? MR. BAXTER: Pre-filed testimony? MS. McHUGH: That's what we've done in the past cases and it's taken to I guess the reason I ask the	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	question is, the pre file with pre-filed testimony and cross examination only it's taken 18 days roughly. You know, 12 to 18 days in the past hearings. A few more parties. So that's why I was asking the question if we were going to do only a live direct examination and also cross examination, I think, you know, it would be a solid two weeks, I think a good ten days of hearing time, if not more. That's why I was asking the question. MR. SPACKMAN: 18 days (inaudible). MS. McHUGH: It was 18 days of actual hearing time. I believe it was 18 days for the Thousand Springs hearing. MS. KLAHN: This is Sarah Klahn. Candace, I think that 18 days was the Surface Water Coalition where we didn't really have fully pre filed testimony. MS. McHUGH: Okay, that could be. MS. KLAHN: Or was it A&B? It was the one where we didn't have fully pre filed testimony. MS. McHUGH: Okay. So I'm just saying that that's a consideration when you look at this, as far as if we do all examination orally. MR. HAMMERLE: I think pre filed with the opportunity to cross-examine would be, you know MS. McHUGH: (Inaudible). MS. KLAHN: It's more efficient.