

In re Borrego Valley

Audio Transcription

First Technical Meeting to Discuss GSP Model

April 26, 2019



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AUDIO TRANSCRIPTION
BORREGO VALLEY
FIRST TECHNICAL MEETING TO DISCUSS GSP MODEL

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1 THOMAS HARDER: Okay. And then most of
2 these only go through 2008. I don't see the
3 residuals beyond that time. Are those in there too?
4 In other words, your residuals for 2010 to 2015?

5 DAN RITTER: We do have residuals through
6 the end. I -- that particular table, I don't know
7 that I put together, so I can't --

8 THOMAS HARDER: Okay.

9 DAN RITTER: -- I can't guarantee that
10 they're in that table --

11 THOMAS HARDER: Okay.

12 DAN RITTER: -- but they are available.

13 THOMAS HARDER: Well, I didn't see anything
14 after -- there's a couple in here.

15 DAN RITTER: And it just depends on -- you
16 know, not all the wells have observation data
17 through the end of the model period.

18 THOMAS HARDER: Right. Well, I think it
19 would be helpful for me if I could see the
20 hydrographs for those, the measured and
21 model-generated hydrographs. And then we could
22 have -- instead of the observation name, if we could
23 tie that to a map so we can see where spatially
24 these wells are on a map and see how it locates that
25 way.

1 sufficient data set that you could look at and do a
2 cross-check with a storage loss methodology and
3 specific yield?

4 THOMAS HARDER: Groundwater level change.

5 ANTHONY BROWN: Yeah, just groundwater
6 level change over time. And I don't know how good a
7 data set there is that would allow you to do that,
8 but that would at least give you a cross-check of
9 change of storage over time. Because usually if,
10 obviously, if you can get that number pretty good
11 and your pumping pretty good, then the residual is
12 your recharge, which is also the hardest one often
13 to determine.

14 So is there biannual, semiannual water
15 level maps put together for the basin, or
16 historically has there been?

17 TREY DRISCOLL: There are water maps that
18 have been put together by multiple agencies over
19 time, but certainly we didn't do any sort of regular
20 check of changing groundwater and storage in the
21 basin, we're really relying at this point in time on
22 the outputs from the model.

23 ANTHONY BROWN: Is there someone that
24 maintains a database, like an Excel database with X,
25 Y, Z locations and then elevations for -- is there a

1 set number of wells that are monitored, or is it
2 just kind of random each year, there's -- someone
3 historically has just put together some map?

4 TREY DRISCOLL: So the Department of Water
5 Resources has been collecting groundwater levels for
6 at least the past decade out there from a number of
7 wells. The USGS has been collecting data on and off
8 since probably the 1950s. The county collected some
9 data. So all of the historical data has been
10 inputted into a data management system for the GSA.

11 ANTHONY BROWN: Oh, okay, good.

12 THOMAS HARDER: I think --

13 ANTHONY BROWN: If you have the Excel
14 spreadsheet, it's very quick and you know --

15 THOMAS HARDER: Yeah, you can put it in
16 GIS.

17 ANTHONY BROWN: Put into GIS, put into
18 (inaudible) and calculate the volumes and then just
19 apply a specific yield number, even one for the
20 whole --

21 THOMAS HARDER: You could use the model
22 specifically.

23 TOM WATSON: Actually, you could, yeah.

24 It's a great, great cross-check because
25 it's really data. You know what happened to the

1 DAN RITTER: Right. Where does the water
2 budget take us. And then looked also at reducing
3 the pumping. We only ran the specific linear
4 reduction scenario into the future.

5 THOMAS HARDER: What do you mean by
6 "specific linear"? You mean from --

7 DAN RITTER: Just like stepping it down,
8 current pumping to 5700 over 20 years.

9 THOMAS HARDER: By 2040.

10 DAN RITTER: In linear fashion by 2040. So
11 that is the specific scenario that was run.

12 THOMAS HARDER: Are you guys planning on
13 reporting that, or is that part of this or is that
14 just an internal exercise?

15 TREY DRISCOLL: I believe it's in the GSP.

16 THOMAS HARDER: Oh, it is.

17 TREY DRISCOLL: Yeah. Yeah, it's in there.

18 I mean we repeated the climate, we had the linear
19 ramp-down in pumping. And if you look at the
20 groundwater levels at the end of the scenarios,
21 they're stabilizing. What happens is we -- because
22 we repeat the climate, we get into a wet period in
23 the period from like 2035 to 2040, so you actually
24 have some recovery of groundwater levels. So that
25 is --

1 reading to do.

2 THOMAS HARDER: Yeah, I know; I haven't
3 read through the whole --

4 ROBERT WAGNER: We do have more reading to
5 do for sure.

6 If I remember, we were going to get
7 together a second time before the end of the
8 comment. Is that right?

9 JIM BENNETT: Yeah, I think it was May --

10 BOB ABRAMS: May 10th.

11 JIM BENNETT: Is it May 10th?

12 BOB ABRAMS: That's like in two weeks.

13 JIM BENNETT: Yeah. At the county. They
14 didn't have room here, so the next one is going to
15 be at the County of San Diego's office. And
16 Michele sent out an invite to everybody already. 1

17 BOB ABRAMS: Is the format of the meeting
18 going to be the same, or are you going to have a
19 presentation or anything, or have you already
20 presented everything you want to present?

21 THOMAS HARDER: I think Dan and I have done
22 a lot of presentations over the last two years.

23 BOB ABRAMS: This is the first --

24 JIM BENNETT: The way that we understood it
25 was it was really a meeting to be able to answer

1 questions that you had and be able to clarify and
2 maybe build off of what we had here today that Dudek
3 can provide additional information that we've noted
4 here today to get to you and then be able to
5 continue this dialog as necessary.

6 If a second meeting's not needed, we're
7 more than happy not to have the meeting. I mean
8 either way. It's really a courtesy to continue to
9 have both Rams Hill and AAWARE with what's in the
10 model --

11 ROBERT WAGNER: Understood.

12 JIM BENNETT: -- and be able to provide
13 those comments in this 60-day public review
14 period.

15 ROBERT WAGNER: It might be helpful to push
16 it out a little, although that's dangerous because
17 time is so short.

18 JIM BENNETT: Right.

19 ROBERT WAGNER: It would also be very
20 helpful to be able to have this dialog and again and
21 have specific questions answered prior to having to
22 make comments officially on the plan. It would be
23 nice to talk about those things ahead of time. That
24 would be really useful to have another meeting. Two
25 weeks is soon, but maybe we'll just try to

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REPORTER'S CERTIFICATE

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That the foregoing electronically-recorded proceedings were transcribed by me to the best of my ability.

I further certify I am neither financially interested in the action nor a relative or employee of any attorney or party to this action.

IN WITNESS WHEREOF, I have this date subscribed my name.

Dated: May 15, 2019



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