

1 BEFORE THE ARIZONA POWER PLANT LS-252
2 AND TRANSMISSION LINE SITING COMMITTEE
3 IN THE MATTER OF THE APPLICATION) Docket No.
4 OF WEST CAMP WIND FARM, LLC, IN) L-21204A-22-0228-00206
5 CONFORMANCE WITH THE)
6 REQUIREMENTS OF ARIZONA REVISED) LS CASE NO. 206
7 STATUTES, SECTIONS 40-360, et.)
8 seq., FOR CERTIFICATES OF)
9 ENVIRONMENTAL COMPATIBILITY)
10 AUTHORIZING THE WEST CAMP WIND)
11 GEN-TIE PROJECT, A 345 KV or)
12 500 KV TRANSMISSION LINE AND)
13 ASSOCIATED INTERCONNECTION)
14 FACILITIES WITHIN NAVAJO COUNTY,) EVIDENTIARY HEARING
15 ARIZONA.)
16 _____)

11 At: Flagstaff, Arizona
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24 1555 East Orangewood Avenue, Phoenix, AZ 85006
25 602.266.6535 admin@glennie-reporting.com

By: Robin L. B. Osterode, CSR, RPR
Arizona CR No. 50695

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1 BE IT REMEMBERED that the above-entitled and
2 numbered matter came on regularly to be heard before the
3 Arizona Power Plant and Transmission Line Siting
4 Committee at High Country Conference Center, 201 West
5 Butler Avenue, Flagstaff, Arizona, commencing at
6 1:00 p.m. on the 12th day of October, 2022.

7 BEFORE: PAUL A. KATZ, Chairman

8 DANIEL SCHWIEBERT, Arizona Corporation Commission
(via videoconference)
9 LEONARD DRAGO, Department of Environmental Quality
DAVID FRENCH, Arizona Department of Water Resources
10 JAMES PALMER, Agriculture Interests
RICK GRINNELL, Counties
11 (via videoconference)
JACK HAENICHEN, General Public

12 APPEARANCES:

13 For the Applicant:

14 ACKEN LAW
15 Mr. Albert H. Acken
111 East Dunlap Avenue, Suite 1-172
16 Phoenix, Arizona 85020

17 For the Intervenor Arizona Public Service Company:

18 SNELL & WILMER, L.L.P.
Mr. J. Matthew Derstine
19 400 East Van Buren Street, Suite 1900
Phoenix, Arizona 85004

20 and

21 PINNACLE WEST CAPITAL CORPORATION
22 Ms. Linda J. Benally, Senior Attorney
400 North 5th Street, MS 8695
23 Phoenix, Arizona 85004
(via videoconference)

24

25

1 CHMN. KATZ: Good morning, everyone. This is
2 the continued hearing in CEC Number 206, the West Camp
3 Wind Gen-Tie Project, and I'll first -- I did get a note
4 that Karl Gentles, who was appearing virtually, will not
5 be here today. I also note that Daniel may need to leave
6 us a little bit early for the open meeting of the
7 Corporation Commission. We'll play things by ear.

8 But, Bert, or Mr. Acken, is there anything
9 further that you wanted to present by way of testimony or
10 any other concerns that you wanted to express to the
11 committee? And then I will ask Mr. Derstine if he has
12 any cross-examination.

13 MR. ACKEN: Good morning. And thank you,
14 Mr. Chairman, members of the Committee. As we left
15 yesterday, my recollection was we had one cleanup item,
16 and it had to do with a discussion of the battery
17 technology that would be used for the non-jurisdictional
18 wind project, and so we committed to go back and talk to
19 the internal AES experts and make sure that we were
20 speaking consistently and correctly with respect to what
21 the plan was for battery storage associated with this
22 project. So with that, I'll turn it over to Mr. Unrein.

23 (Terrance Unrein, Robert Gardner, Alexandra
24 Shin, and Allen Graber, were previously affirmed en
25 masse, by the Chairman.)

1 DIRECT EXAMINATION (Cont.)

2 BY MR. ACKEN:

3 Q. Do you recall the discussion yesterday regarding
4 battery storage and battery storage technology?

5 A. (MR. UNREIN) Yes.

6 Q. And have you had a chance to meet with your
7 internal team and discuss and get some additional
8 information?

9 A. (MR. UNREIN) Yes.

10 Q. And at this time I'd like you to share what you
11 learned.

12 A. (MR. UNREIN) So the battery storage technology,
13 if deployed at West Camp, and the typical technology that
14 we're deploying these days on other projects, is indeed
15 stored at the DC level. The fundamental battery
16 technology is stored at the DC level. And most of our
17 systems -- and the likely battery storage system that
18 would be deployed at the West Camp Wind Farm is an
19 AC-coupled system, so the energy that comes in goes from
20 AC to DC by way of micro inverters. The energy that
21 comes out goes from DC to AC with micro inverters, and
22 the energy coming out of the battery storage system is
23 34.5-kV alternating current. So the same medium voltage
24 at -- rating as the wind turbine collection system
25 underground. And that enters the substation bus work,

1 the circuit's coming from -- the medium voltage circuit's
2 coming from the battery storage, enter the substation bus
3 work similarly as our standard wind turbine circuits.

4 So it's 34.5-kV outside of the substation, and
5 fed into the substation just like a typical collection
6 circuit coming from a string of wind turbines.

7 CHMN. KATZ: And what would be the maximum
8 capacity of the wind farm once it's completed in terms of
9 megawatt hours?

10 MR. UNREIN: The -- so we permit and do our
11 interconnection studies based on a capacity basis, not an
12 energy basis.

13 CHMN. KATZ: Uh-huh.

14 MR. UNREIN: And this project would be
15 500 megawatts on a capacity basis, and then the energy
16 storage would have a maximum capacity of 250 megawatts.

17 CHMN. KATZ: Okay.

18 MEMBER HAENICHEN: May I ask a question?

19 CHMN. KATZ: Please, Mr. Haenichen.

20 MEMBER HAENICHEN: At the very beginning of the
21 process, what -- does -- do the wind turbines make DC or
22 AC?

23 MR. UNREIN: So there's micro inverters up in
24 the turbine of the cell that convert it to -- from DC to
25 AC right when it's coming off of the gear box.

1 MEMBER HAENICHEN: So it starts out as DC?

2 MR. UNREIN: Yeah, right out of --

3 MEMBER HAENICHEN: That surprises me because
4 that means there's brushes in there -- in that -- in the
5 generator, which wear out. I would have thought that it
6 generates AC, and then you convert it to DC, but I
7 learned something.

8 MR. ACKEN: And, Member Haenichen, if I could
9 follow up with that I think it's something a lot of us
10 learned this morning.

11 Q. BY MR. ACKEN: Mr. Unrein, is that how your
12 understanding wind turbine technology has worked for this
13 project and all others that you're aware?

14 A. (MR. UNREIN) Yes, the turbines have micro
15 inverters up in the cell and we never -- the DC energy is
16 generated, but we never see it. We never see the energy
17 on a DC basis because it's converted up in the cell and
18 fed in our collection system at 34.5-kV alternating
19 current.

20 MEMBER HAENICHEN: So the AC is formed inside
21 the wind generator?

22 MR. UNREIN: Yup. And then the -- yes, up in
23 the turbine, the cell, and then at the bottom of -- of
24 the tower there's switch gear in the bottom of the tower
25 that are utilized to connect the collection circuits.

1 MEMBER HAENICHEN: Thank you.

2 Q. BY MR. ACKEN: And is that true, Mr. Unrein, for
3 other generation resources as well, the resources are
4 generated at DC current and converted to AC?

5 A. (MR. UNREIN) So for solar, yes, yeah,
6 the -- the low-voltage wiring coming out of PV panels on
7 a direct current basis, and then that energy goes to
8 either central inverters or small little string inverters
9 that convert it to AC at the same 34.5-kilovolt rating.

10 Q. Mr. Unrein, is there anything else you would
11 like to share with respect to the battery technology?

12 A. (MR. UNREIN) I'm happy to answer any further
13 questions, but that -- I didn't have anything further to
14 contribute.

15 Q. Thank you.

16 If there are no other questions, on that, I
17 believe that was the one item that we needed to clean up.
18 We're happy to address any other questions at this time.

19 CHMN. KATZ: Do any of our virtual participants,
20 that is, Mr. Schwiebert or Mr. Grinnell, have any
21 questions for our two seated witnesses?

22 (No response.)

23 CHMN. KATZ: Hearing none, was there anything
24 further?

25 MEMBER GRINNELL: Mr. Chairman?

1 CHMN. KATZ: Yes. Yes, go ahead.

2 MEMBER GRINNELL: I guess as we move into the
3 process here, I think it's important that we really
4 delineate the difference between the two CECs and who is
5 going to do what. I think I realize we had this
6 discussion early on in the process, but I'm still a
7 little bit like A and B, B and C, or whatever we're going
8 to do. I think in order for this to be a very clear and
9 concise discussion about the terms and conditions and
10 everything else, that we really take the time to
11 delineate between the two processes here.

12 MR. ACKEN: Thank you, Member Grinnell. And for
13 that, I'm going to turn it over to Mr. Gardner, and ask
14 that he pull up the maps, showing -- and he needs a
15 clicker -- but show up the maps that will delineate which
16 facilities will be with which CEC. The testimony
17 yesterday was there are two CECs, the majority of the
18 project will be owned and operated by AES, whether it's
19 345 or 500. APS will own and operate the interconnection
20 facilities for both the 345- and 500-kV interconnection.

21 Q. BY MR. ACKEN: And so, Mr. Gardner, I'd like you
22 to walk through those slides again, and explain
23 specifically -- I think I'd like you to start with what
24 facilities are covered by CEC-1, and that again will be
25 the CEC owned and operated by AES. Let's start there.

1 MEMBER GRINNELL: Mr. Acken, if I may make a
2 suggestion here, as we're going through CEC-1, that we
3 show the pictures while we're going through the process,
4 that way it avoids the duplication of discussion, and
5 more importantly for me, it really clearly lays out what
6 it is we're looking at in CEC-1 or CEC-2, and if that's
7 okay with the chairman and you, I think for me it makes
8 it easier to make a responsible decision.

9 MR. ACKEN: Agreed. And I share that
10 perspective. When we were developing the application it
11 is -- it is a challenge to describe it in writing. And
12 so we did develop maps that I think tell the story. And
13 the old axiom, a picture's worth a thousand words.

14 Q. BY MR. ACKEN: So to that end, Mr. Gardner, I
15 would ask that you focus first with respect to CEC-1,
16 showing slide and describing slide 42. It is our intent
17 that a version of slide 42, a black-and-white version of
18 that, would be attached to the CEC, that's our proposal.

19 And so I think it makes sense for Mr. Gardner to
20 explain precisely what facilities are included on CEC-1
21 using slide 42.

22 And, Mr. Grinnell, is that -- do you have that
23 up on the screen? I don't know what you can see or what
24 you cannot.

25 MEMBER GRINNELL: I have it in my book.

1 MR. ACKEN: Okay. Yeah, now I think it may be
2 showing on the screen.

3 MEMBER GRINNELL: I see it on the screen. But
4 what I was wondering, if we could run a split screen so
5 when we're voting and discussing for the CEC purposes, we
6 have the terminology on one side, and maybe have this
7 picture on the other to clarify it, not just for me,
8 maybe the other members of the audience as well.

9 MR. ACKEN: Yeah, we could do that. That's a
10 good idea. If we could show CEC-1 draft on --

11 CHMN. KATZ: Let -- let me just interrupt. It's
12 really not critical that we project the PDF version,
13 which will be as Chair Exhibit 1 for the first CEC.

14 MR. ACKEN: Okay.

15 CHMN. KATZ: So you could use that screen to
16 have the map up or whatever maps on the left screen you
17 might need and just put the Word version up as we go
18 through it and edit it. And the Word version will be
19 Chair Exhibit Number 2. But we don't necessarily need to
20 project the PDF version, which will start out being
21 identical to the Word, but I want it part of the record.
22 And we need to make sure that a copy of that exhibit gets
23 presented to the court reporter and marked as Chair 1.
24 And the one we'll work from on the right screen will be
25 Chair 2, if that might be helpful in clarifying things

1 for certain committee members.

2 MEMBER GRINNELL: Thanks, Mr. Chair.

3 MR. ACKEN: So I would ask that -- oh, I'm
4 sorry, Mr. Grinnell.

5 MEMBER GRINNELL: No, I just said thank you.

6 MR. ACKEN: I would ask the AV team to share the
7 Word version of CEC-1 on the right-hand screen.

8 And that's Chairman Exhibit 2, Mr. Chairman?

9 CHMN. KATZ: Yes.

10 MR. ACKEN: If we could scroll to the second
11 page. A little further. Okay. So project overview, and
12 this is the same for both, but this is CEC-1 for the
13 facilities that AES owns. So the description begins on
14 the bottom -- can you show me the page number -- page 2,
15 line 25, "Project Overview." "Project as approved
16 consists of a new 345- or 500-kV generation-tie
17 transmission line, up to two collector substations, and
18 one 345-kV switching station. The project will
19 interconnect the West Camp Wind Farm to the regional
20 transmission grid at either the Cholla 500-kV substation
21 or via an on-site switching station and line tap adjacent
22 to the APS 345-kV Cholla-Mazarzal transmission line."

23 And this is important, and you would see this in
24 both CECs, this is our request, "The applicant requested,
25 and the CEC authorizes, both the 345-kV and 500-kV

1 options."

2 I'll skip the second paragraph -- the first full
3 paragraph on lines 6 to 11, it highlights that it's all
4 on private land, talks about the infrastructure siting
5 area, and then the transmission line corridor from the
6 infrastructure siting line to Cholla.

7 Where it gets -- the written description of the
8 distinction between CEC-1 and CEC-2 begins on line 12.

9 CHMN. KATZ: And that's on page 2?

10 MR. ACKEN: This is page 3.

11 CHMN. KATZ: Page 3, okay.

12 MR. ACKEN: Okay. "Two CECs are being approved
13 for the project to allow for future ownership transfer of
14 a portion of the project. As shown in Exhibit A" -- and
15 Exhibit A would be a black-and-white version of slide
16 42 -- "this CEC," CEC-1, "is for the portion of the
17 project that originates at the wind farm to the points of
18 change of ownership (POCOs) located at the first
19 structures outside, 1, the new 345-kV switchyard; and 2,
20 the APS control area at the Cholla Substation."

21 "The companion CEC-2 is for the portion of the
22 project from the future POCO to the point of
23 interconnection at the 345-kV Cholla-Mazarzal
24 transmission line and the Cholla Substation."

25 So that paragraph 12 -- excuse me, page -- now I

1 forgot what page I'm on -- page 3, lines 12 through 18,
2 provides the written description of the map that will be
3 attached that is slide 42.

4 Q. BY MR. ACKEN: So, Mr. Gardner, would you like
5 to take a moment and really take your time, walk through
6 this and explain what components are covered under CEC-1?

7 A. (MR. GARDNER) Okay. So I think, like we said
8 yesterday, the easiest way to explain CEC-1 is that it
9 will cover all of the project infrastructure owned by us,
10 the applicant, AES, and so on the map on the left, that
11 would include the collector substations, the up to two
12 collector substations Mr. Acken just mentioned. The
13 gen-tie line in either scenario, 345- or 500-kV, that
14 would be CEC-1 owned by AES.

15 And then the somewhat tricky part is with the
16 two different interconnection locations, so first at the
17 345-kV option, AES and CEC-1 will cover the transmission
18 line coming in -- the gen-tie line coming in, up until
19 the switching station, which is built adjacent to the
20 existing 345-kV line.

21 On the 500-kV option, CEC-1 will cover the
22 500-kV gen-tie line north adjacent to the existing
23 transmission lines, all the way up to the Cholla
24 Substation. So those are the facilities that are covered
25 under CEC-1.

1 Q. And I'd stop there and see if there are any
2 questions about that explanation before we move to CEC-2.

3 CHMN. KATZ: Mr. Grinnell, did you have any
4 further concerns about what would be covered under CEC-1?

5 MEMBER GRINNELL: No, sir, I believe that I'll
6 get better clarity, and like I said I have a map here,
7 but I think when he describes the CEC-2, that will
8 probably address my questions or --

9 CHMN. KATZ: We can go ahead and do the same
10 thing and then if when we're done if there aren't any
11 further questions then we can go to the first CEC and
12 work off of Chair Exhibit Number 2. The PDF version of
13 CEC-2 will be Chair Exhibit 3 and the Word version that
14 we will work from will be CEC -- I mean Chair 4.

15 MR. ACKEN: So at this time, I would like to ask
16 the AV team to display Chairman Exhibit 4, page 3, that
17 shows the description. And then you'll need to show the
18 right-side slides, which show visually the two figures
19 that will be attached to CEC-2.

20 Q. BY MR. ACKEN: So, Mr. Gardner, if you can go
21 to, on the right side deck, to the first figure that will
22 be attached to CEC-2. And on the left-hand screen, if we
23 could go to page 3. And, again, for the record,
24 page -- excuse me, the left-hand screen shows Chairman's
25 Exhibit 4, which is the Word version of CEC-2. Go up to

1 show that paragraph starting on page -- excuse me,
2 line 12, and then I think you need to go to the next one.
3 No, no. Yes, actually, you were correct, go back one.

4 A. (MR. GARDNER) Yeah.

5 Q. Okay. Thank you.

6 Okay. So on the right-hand screen you see slide
7 43. So on the left-hand screen this is the written
8 description of CEC-2, it reads, "Two CECs are approved
9 for the project to allow for future ownership transfer of
10 a portion of the project, as shown in Exhibit B."

11 Okay. Exhibit B to CEC-2 will have two figures,
12 the first figure is slide 43 that is being shown on the
13 right-hand screen. Mr. Gardner will explain that as well
14 as the second figure, which is the expanded view of the
15 Cholla interconnection.

16 So as shown in Exhibit B, this CEC, CEC-2, is
17 for the portion of the project from the future points of
18 ownership change, POCOs, to the points of interconnection
19 at the APS 345-kV Cholla-Mazarzal transmission line and
20 the Cholla Substation, the POCOs are located at the first
21 structures located outside, 1, the new 345-kV switchyard;
22 and 2, the APS control area of the Cholla Substation,
23 CEC-2 thus includes the new 345-kV switchyard.

24 So with that intro, Mr. Gardner, please first
25 describe the figure shown on slide 43, which, again, will

1 be one of the figures attached to Exhibit B to CEC-2.

2 CHMN. KATZ: And what was the exhibit number of
3 the last one, was that the earlier slide for CEC-1?

4 MR. ACKEN: Slide 42.

5 CHMN. KATZ: Was it 41? That's fine, you don't
6 need to go back.

7 MR. ACKEN: 42.

8 CHMN. KATZ: 42, okay.

9 MR. ACKEN: Let me double-check. Yes, so for
10 the CEC-1 map it would be Exhibit A, it will be a
11 black-and-white version of slide 42.

12 Q. BY MR. ACKEN: You see a reference in CEC-2 to
13 both Exhibit A and Exhibit B, for consistency we do
14 envision attaching the overall map on slide 41 -- excuse
15 me on 42, the CEC-1, but the specific facilities covered
16 by CEC-2 are on slides 43 and slides 45?

17 A. (MR. GARDNER) 45. Great, so again, I think
18 that the easiest way to think about this is that CEC-2
19 covers all of the project infrastructure that will
20 ultimately be owned by APS. So for the 345-kV option,
21 that will be the switchyard adjacent to the point of
22 interconnection, which is the APS 345-kV Cholla-Mazarzal
23 line, and then the transmission line coming out of that
24 switchyard to the first transmission pole.

25 So CEC-2 covers the actual point of

1 interconnection switchyard and the line extending out of
2 that switchyard to the first transmission structure. And
3 that concept's similar for the 500-kV option. As you can
4 see here, this is the APS control area. So CEC-2 will
5 cover all project infrastructure within that control
6 area, and out to the first transmission structure outside
7 of that control area. So the same concept, CEC-2 will
8 cover the line coming out of the interconnection point
9 where it connects to the full grid, it will cover that
10 line to the first transmission structure, which is
11 covered under CEC-1.

12 MEMBER HAENICHEN: Mr. Chairman?

13 CHMN. KATZ: Yes, Mr. Haenichen.

14 MEMBER HAENICHEN: At what point in time does
15 the transfer to APS happen, what triggers it?

16 MR. UNREIN: So there's a couple of
17 different -- there's a couple different paths to
18 completing these facilities and when -- when ownership
19 and authority for the facilities occurs. There
20 are -- you sometimes have the option with APS
21 interconnection agreements to self-construct some of --
22 some or most of the required network upgrades. Speaking
23 on -- in this scenario there's a possibility that we
24 would be able to self-build the switchyard for APS
25 under -- under their supervisory control, specifications,

1 et cetera. If that were the case, then the switchyard is
2 handed over after it's built, after it's been
3 commissioned and demonstrated its intended performance.
4 So when it's built, tested, commissioned,
5 that's -- that's one route.

6 The other is if APS builds this themselves, if
7 they build the facilities themselves then they would have
8 custody and control of -- of the equipment as it's being
9 delivered to the site and they would have control of the
10 site.

11 MEMBER HAENICHEN: But at this point in time you
12 don't know whether APS will build it or you'll build it?

13 MR. UNREIN: That's correct.

14 MEMBER HAENICHEN: I'm sorry.

15 MEMBER GRINNELL: Mr. Chairman?

16 CHMN. KATZ: Yes, Member Grinnell.

17 MEMBER GRINNELL: I'm sorry, without APS's
18 involvement here, would you be building this solar
19 transmission wholesale project?

20 MR. UNREIN: No, we would not have the authority
21 to build a generating source of electricity tying into
22 APS's grid without a Large Generator Interconnection
23 Agreement with APS, who is the transmission owner and
24 operator of the infrastructure around our site.

25 MEMBER GRINNELL: Okay.

1 MR. DERSTINE: Mr. Chairman, Member Grinnell, I
2 guess I'd just like to clarify for the record maybe.
3 There was a comment yesterday that there was some sort of
4 participation or -- of APS. APS's role here is simply it
5 has transmission facilities that are in proximity to the
6 project, and this project is interconnecting at those
7 facilities. That's it.

8 MEMBER GRINNELL: But without your involvement,
9 this wind-generating utility would not be built.

10 MR. DERSTINE: Well, I guess it depends on what
11 you mean by "involvement," involvement is under the
12 tariff which governs interconnection of large generators,
13 the parties are working together under that system, but
14 that's the involvement of APS.

15 MEMBER GRINNELL: But if you -- I guess what I'm
16 just trying to clarify for myself and it's not trying to
17 be crazy here, but I guess APS is still the most
18 significant part of the ability for the solar project to
19 be built. Without you, we wouldn't be having this
20 discussion.

21 MR. DERSTINE: Well, I -- Member Grinnell, I
22 think that's true in the sense of without the
23 transmission lines that you see on the map before you on
24 Exhibit 45, AES would not be building this wind project
25 in this location, presumably because the distance to a

1 transmission interconnection point. They are
2 constructing it here. Presumably they selected this site
3 in part because it is in proximity to transmission lines
4 that would allow them to interconnect the energy that's
5 generated from this facility. That's the -- I mean, I
6 think the testimony from Mr. Unrein yesterday was that
7 that's part of their process and their diligence in
8 selecting projects.

9 But APS has no role in this project, other than
10 AES decided to select this site. It's in proximity to
11 APS transmission lines, and AES has requested to
12 interconnect at two potential interconnection points.
13 That's the role of APS.

14 MEMBER GRINNELL: Okay.

15 Q. BY MR. ACKEN: And if I could follow up on that.
16 Mr. Unrein, what is your understanding of the
17 interconnection process between AES and APS? How is that
18 governed?

19 A. (MR. UNREIN) That is governed by FERC tariff
20 and FERC rules. The Federal Energy Regulatory
21 Commission.

22 Q. And so you, as the applicant, have to follow the
23 applicable APS tariffs governing interconnection process;
24 is that correct?

25 A. (MR. UNREIN) That's correct.

1 Q. And APS, as the owner of that transmission, has
2 to follow its own FERC tariff obligations when receiving
3 an interconnection request?

4 A. (MR. UNREIN) That's correct.

5 Q. And -- and that is -- your role is the same
6 whether you were interconnecting with APS or another
7 transmission line owner; is that correct?

8 A. (MR. UNREIN) That's correct. And different --
9 in different regions of the country you always need legal
10 permission from the owner of existing transmission
11 infrastructure to build a generating source of
12 electricity, putting electrons on the grid.

13 Q. And the entity with whom you are interconnecting
14 is regulated by FERC, that process is constrained and
15 driven by FERC requirements; is that correct?

16 A. (MR. UNREIN) Yes.

17 Q. Thank you.

18 Mr. Gardner, please continue with your
19 description of the facilities covered by CEC-2.

20 A. (MR. GARDENER) I think I covered both options,
21 but I can go back if there are further questions on each
22 option.

23 Q. I guess at this time I would offer -- offer
24 Mr. Gardner if there are any other questions. Our
25 intent, again, with CEC-2 would be to include both

1 figure -- black-and-white versions of Figures 43 and 45.
2 43 shows the 345 interconnection, the CEC-2 will include
3 the switchyard and the first -- and the point of
4 interconnection at the first structure outside of the
5 switchyard. CEC-2 will include the APA -- the APS
6 controlled access area, and the point of interconnection
7 at the first transmission structure outside.

8 Mr. Grinnell, or other members of the Committee,
9 are there further questions about the two CECs and what
10 facilities are covered by each?

11 MEMBER GRINNELL: None here. Thank you.

12 MR. ACKEN: I'd like to ask the AV team, and
13 they are three steps ahead of me, they are showing on the
14 screen -- on the left-hand screen this is, I believe this
15 is from Chairman's Exhibit 4, paragraph 21.

16 So as the Committee knows, we use the standard
17 conditions from recent cases that have been approved by
18 the Committee and the Commission when developing proposed
19 CECs. The most recent Commission-approved CEC is case
20 2,000 -- 2,000 -- 204. And so that is the CEC that we
21 used for the draft conditions for both CEC-1 and CEC-2,
22 with one exception. We -- Condition 21 is a modification
23 of a condition that this Committee and Commission adopted
24 in case 2001 [sic], in which the applicant was also
25 requesting and obtained approval for two alternatives.

1 And I wanted to highlight this because there
2 were some questions yesterday about, you know, once the
3 election is made whether to pursue a 345 or 500, what
4 happens next. So this proposed condition, it's West Camp
5 Wind will make that election, and the testimony yesterday
6 from Mr. Gardner and Mr. Unrein, is that election will be
7 made based on subsequent studies that APS is doing as to
8 what network upgrades are needed and also customer
9 demands.

10 So, you know, a customer needs the power to be
11 available at the Cholla Substation, then that's what AES
12 will seek to do, and if it can be at the 345-kV line,
13 then that's the route that will be taken. But at the
14 time that election is made, this proposed condition would
15 require West Camp Wind to make a filing in the Commission
16 docket. When that selection is made and at the time the
17 selection is made, the other alternative shall be deemed
18 abandoned.

19 So, for example, if the 345-kV option was
20 selected, the 500-kV components, including the path from
21 the infrastructure siting area to the Cholla Substation,
22 would be deemed abandoned. If the 500 option is
23 selected, then the 345-kV switchyard would be deemed
24 abandoned; it would not be built.

25 It's important to remember, again, that all of

1 these facilities are located on private land by the Aztec
2 Land and Cattle Company. And you heard their public
3 comment yesterday that they support this project and land
4 agreements are in place for either option. But,
5 nonetheless, once an election is selected, that other
6 option will go away.

7 So I wanted to highlight that for the Committee
8 and see if there are any questions about that.

9 MEMBER GRINNELL: Yeah, Mr. Chairman?

10 CHMN. KATZ: Yes.

11 MEMBER GRINNELL: Mr. Acken, is there a scenario
12 in which these studies provide a need for both the 345
13 and the 500?

14 MR. ACKEN: No. I think the short answer. And
15 maybe that's a question that I should have my witnesses
16 address under oath. And legally we are only asking for
17 approval for either, not both. So we don't have -- we're
18 not seeking approval for both. But I would ask my
19 witness panel to address that question.

20 Q. BY MR. ACKEN: What about the possibility of
21 both being needed?

22 MEMBER HAENICHEN: Before you do that, may I
23 chime in here?

24 CHMN. KATZ: Yes, you may.

25 MEMBER HAENICHEN: What are the factors that are

1 going to determine whether you go 345 or 500, so are
2 there connection -- you're connecting this to the grid
3 with an existing transmission line; is that correct?

4 MR. ACKEN: The 345 is a tap to an existing
5 transmission line. The 500 interconnection option
6 includes transmission -- new transmission up to the
7 Cholla Substation. And I should say the 345 option does
8 have new transmission within the infrastructure siting
9 area, just so we're very clear. But as far as where does
10 it meet existing infrastructure, it's a line tap on the
11 345. 500 goes all the way to Cholla.

12 MEMBER HAENICHEN: Okay. That helps.

13 Q. BY MR. ACKEN: But I would ask the witnesses to
14 address both those questions, and if you need me to
15 repeat them, please let me know.

16 A. (MR. UNREIN) Yeah, so the first question is
17 essentially is there a scenario whereby we would build
18 both interconnection voltages for the West Camp Wind
19 Farm, and I concur with my counsel that the answer is no.
20 That's not a realistic scenario to build this wind farm
21 at two different interconnection voltages, and hence,
22 we're not seeking approval to do so in the -- in the
23 proposed Certificate of Environmental Compatibility.
24 I'll pause there before -- perhaps I pause there before I
25 move to the second question.

1 CHMN. KATZ: And I understand that they're
2 doing -- APS did a preliminary study, expressed some
3 concern that that 345 line could be overly congested, but
4 there -- and that's because there were a number of
5 different facilities that are anticipating tying into
6 that infrastructure and if, in fact, there's too much
7 traffic and you're not early in line, you're going to end
8 up having to go with the 500-kilovolt option; is that
9 correct?

10 MR. UNREIN: That's generally correct. I would
11 note that the preliminary results of the 345-kV option,
12 as expected, due to the magnitude of interconnection
13 requests that APS is bound by tariff to study right now,
14 due to that magnitude network upgrades, large amounts of
15 network upgrades were preliminarily noted to be required.
16 And, again, that's -- that's to be expected, given the
17 magnitude of generation being studied.

18 And in our experience, there's almost always
19 network upgrades required to interconnect large projects
20 into the grid. It's just a matter of what is required.

21 CHMN. KATZ: And if the 345 line could not
22 handle all of the megawatts that are being produced by
23 the wind farm, you're not going to send a portion of it,
24 you go with the construction of the 500-kV line and
25 abandon the 345 option?

1 MR. UNREIN: That's correct. If after our
2 multi-year interconnection study process it's deemed by
3 AES and APS required network upgrades that the 500-kV
4 option were a superior voltage, then, yeah, we would
5 conversely choose that option and abandon the 345.

6 CHMN. KATZ: Mr. Haenichen.

7 MEMBER HAENICHEN: Yeah, thank you. Could the
8 witness explain to the Committee what steps by any entity
9 have to be taken in order for this decision to be made.
10 Tell us what things do you have to study? And how are
11 you going to make that decision?

12 MR. UNREIN: So the -- early in development, the
13 interconnection voltage that -- that you seek for a
14 solar, wind, or any form of -- any form of generating
15 technology, you -- you figure out what voltage is there,
16 and then you conduct internal studies to ascertain if,
17 you know, there's -- there's potentially any -- any
18 capacity remaining on those lines. And then you pursue
19 that voltage because that's the existing transmission
20 infrastructure that's there.

21 Here there's two -- there's two different --
22 there's actually, yeah, many voltages of transmission in
23 Northern Arizona with different transmission system
24 owners, and we chose to study both 345- and 500-kV
25 options for this wind farm, because there's proximal

1 existing transmission infrastructure near our site at
2 both voltages, and we have developed the project and
3 secured land agreements and done environmental studies on
4 both options as we continue studying both.

5 And then the decision -- the actual decision
6 point will be based on two primary factors, the first set
7 of factors is the network upgrades that we've been
8 discussing. That's -- that's the big -- that's the big
9 factor. And then the second factor, to your question, is
10 where are these electrons needed in Northern Arizona? Do
11 the users of -- of electricity on this grid, is there a
12 greater demand at the 500-kV Cholla Substation or is
13 there a greater demand on this 345-kV line?

14 And we're positioning our -- our wind farm and
15 the economic and environmental benefits that Navajo
16 County has approved, we want to position that wind farm
17 to serve Northern Arizona's electrical load at both
18 voltages in the coming years. So where the electrons are
19 needed and what network upgrades are required.

20 MEMBER HAENICHEN: Okay. But how are you going
21 to determine those answers before you make your decision?

22 CHMN. KATZ: If I might interrupt, it's my
23 understanding there was testimony yesterday that
24 construction won't begin until there's an interagency
25 agreement between the AES and APS. They need that

1 agreement. And that's going to be a joint effort in
2 continued study and once a decision is made, it will be
3 documented and construction of either alternative can
4 begin.

5 MR. UNREIN: That's correct. We cannot begin
6 construction of the West Camp Wind Farm or the West Camp
7 Wind Gen-Tie Project without a duly executed Large
8 Generator Interconnection Agreement with the transmission
9 owner, which in -- in both of these scenarios is APS.

10 MEMBER HAENICHEN: But how far along are these
11 discussions where you can say this is a --

12 MR. UNREIN: So we received -- we filed our
13 345-kV queue position in Fall 2019, and we've received
14 the System Impact Study. Now it's in the more detailed
15 facilities study. And then after the facilities study
16 comes the Large Generator Interconnection Agreement.

17 The 500-kV interconnection position we filed in
18 fall 2020, and the System Impact Study is expected in the
19 near future.

20 MEMBER HAENICHEN: Yeah, and these are all
21 typical steps that you would take on any project?

22 MR. UNREIN: Yes, this is typical fashion of a
23 multiyear interconnection study --

24 MEMBER HAENICHEN: Right.

25 MR. UNREIN: -- process. Different jurisdiction

1 and different transmission owners may have different
2 nomenclature for the phases of study, but it's all a
3 FERC-regulated similar process.

4 MEMBER HAENICHEN: But that's all ongoing as we
5 speak?

6 MR. UNREIN: Correct. Both -- both options that
7 we're seeking a CEC for are actively working or actively
8 in the interconnection study process.

9 MEMBER HAENICHEN: So you want this language put
10 in so you can continue your efforts like that?

11 MR. UNREIN: We're seeking optionality, yes, to
12 be able to provide Northern Arizona electrons to the grid
13 where it's needed and we've proposed condition 21 to
14 preclude us from trying to build both, or yeah,
15 we've -- we voluntarily propose condition 21 to oblige us
16 to choose one or the other, either/or.

17 MEMBER HAENICHEN: Right. I understand. Thank
18 you.

19 CHMN. KATZ: Mr. Acken.

20 MR. UNREIN: Counsel, did that answer the
21 questions, all of them, I think or --

22 MR. ACKEN: I was going to direct that question
23 to the Committee and make sure that we are being
24 responsive. Again, you know, we are requesting authority
25 for both the 345 and 500, both are needed as the

1 testimony showed yesterday are environmentally
2 compatible, both are located on private land with a
3 supporting landowner and as access agreements are
4 currently in place. And so if there are any further
5 questions or skepticism about the request, we would love
6 the opportunity to address. But at the same time, if
7 we've addressed all the questions, I don't feel we need
8 to go further into it at the time.

9 MEMBER HAENICHEN: I personally am satisfied,
10 so --

11 MR. ACKEN: Thank you. So nothing further.

12 CHMN. KATZ: I just had one question. When we
13 begin the analysis of the two proposed CECs, is condition
14 21 only in the second CEC or is that condition going to
15 be laid out in both?

16 MR. ACKEN: Mr. Chairman, it is in both. These
17 CECs are mirror images of one another.

18 CHMN. KATZ: Okay. So essentially if we
19 thoroughly go through Chair Exhibit Number 2, the first
20 CEC and do whatever edits are necessary, and take the
21 vote, we don't need to go paragraph by paragraph in the
22 second one, because it's identical?

23 MR. ACKEN: It is. I think --

24 CHMN. KATZ: Except for the description on
25 page 3, lines 12 through whatever, that describes who

1 will ultimately own and operate what.

2 MR. ACKEN: Yeah, the only -- the only potential
3 caveat, and I hesitate to bring up caveat, is in
4 condition 21 in CEC-1 may reference "the applicant,"
5 where CEC-2 references "West Camp Wind Farm," because it
6 depends on when the CEC is assigned. It's an election
7 that West Camp Wind will make, based on the information
8 you heard today. And we just wanted that to be clear.

9 CHMN. KATZ: I think we can start review unless
10 there's some other preliminary matters. Does the
11 Committee want to take a break or just get started?

12 MEMBER HAENICHEN: Get started.

13 MEMBER GRINNELL: Mr. Chairman, forgive me, I
14 just got a text from my doctor, can we take five minutes
15 or so, so I can call him back?

16 CHMN. KATZ: Yeah, that's fine, because I think
17 that we can probably get through both of these CECs in an
18 hour or less, so let's just take a break. It is -- let's
19 come back at 10:00.

20 MEMBER GRINNELL: Thank you.

21 (Recessed from 9:52 a.m. until 10:04 a.m.)

22 CHMN. KATZ: I think that we're ready to get
23 started. On the left screen we'll have the PDF version,
24 Chair Exhibit Number 1. We're not going to work off of
25 it, but it's there if we need to go back and make the

1 changes that we made. And then on the right-hand screen
2 will be CEC-1. And do we need -- when we say CEC-1, do
3 we normally have the CEC number in front of that?

4 MR. ACKEN: I think we should, so it should read
5 CEC -- you're still -- okay, when he gets that set up it
6 would read "CEC-206-1".

7 CHMN. KATZ: Right.

8 MR. ACKEN: So which screen is which? Are
9 you --

10 AV TECHNICIAN: PDF will be on the right and
11 editing on the left.

12 MR. ACKEN: So the chairman exhibit is on the
13 right screen, so Chairman Exhibit 1 is on the right
14 screen. Chairman Exhibit 2, which is the Word version of
15 CEC-2, will be on the left screen momentarily.

16 CHMN. KATZ: Okay. So we're going to be working
17 off of the left screen, which is the Word version, which
18 will be Chair Exhibit Number 2. And the first change
19 we're going to make is in the heading. Where it's
20 "CEC-1," it should be "CEC-206-1"; is that correct?

21 (No response.)

22 CHMN. KATZ: Okay. And we can begin looking at
23 page 1. There's a portion of it that we'll likely skip,
24 but scroll up so we can see as much of the text -- no,
25 scroll the other way. I don't need to see the heading.

1 Obviously, I am here. Mr. Schwiebert was here
2 all day yesterday, and a portion of the morning session.
3 I now believe he's in the ACC meeting. I don't know how
4 we want to indicate what your thoughts are on that,
5 Mr. Acken, because I don't know whether he'll be back for
6 the vote, and I don't know whether he will abstain. But
7 we're safe as long as we keep Mr. Grinnell here
8 virtually, we have enough to go forward.

9 MR. ACKEN: I think it's fine as written. On
10 page -- well, page 1, line 19, it says, "The following
11 members and designees were present at one or more," which
12 is accurate, and then when you get to the vote, I mean,
13 the fact that the vote will have less numbers than --

14 CHMN. KATZ: That's fine.

15 MR. ACKEN: -- members present. Yeah, that's
16 fine.

17 CHMN. KATZ: That's fine.

18 Let's scroll down so we can see the next group
19 of names on page 2. And Toby Little is not available and
20 can be taken off of that list, as can maybe Mary Hamway
21 as well.

22 MEMBER GRINNELL: Mr. Chairman, point of
23 clarity.

24 CHMN. KATZ: Yes, sir.

25 MEMBER GRINNELL: If one of the members were to

1 vote "no" on any of these, would that -- would that --
2 since we only have six people, and you need --

3 CHMN. KATZ: Right. And I still think if -- if
4 we have six people voting it was the same thing I think
5 you may have expressed some concern to Tod about somebody
6 abstaining, they're still present, and any one of us can
7 abstain in any vote. So if six of us are present, even
8 if one says "no," the vote then would be 5 to 1, as long
9 as we a full -- as long as we have a quorum, it can be 5
10 to 1, just like in the Congress of the United States, as
11 long as you have a quorum.

12 MEMBER GRINNELL: Okay. I just wanted to
13 clarify. Thank you.

14 CHMN. KATZ: That's fine. And thank you.

15 Let's go through line -- we're on page 2, and we
16 have the next paragraph lines of -- I want to go through
17 line 18. And that's where we'll stop. And if we need to
18 go back to page 1, we can, but I'd like a motion to
19 approve page 1 through page 2, line 18.

20 MEMBER HAENICHEN: Why am I underlined?

21 CHMN. KATZ: What? Say that again.

22 MEMBER PALMER: Just the spelling. It doesn't
23 recognize the spelling.

24 CHMN. KATZ: It doesn't recognize the spelling.
25 It doesn't recognize the spelling of Mr. Derstine either.

1 We're not going to void you or him out.

2 MR. DERSTINE: We both spell our names wrong.

3 CHMN. KATZ: We're working off of the screen on
4 the left.

5 Do we have a motion?

6 MEMBER PALMER: Chairman, I move approval of
7 page 1 -- not sure what the line was -- down through
8 page 18 on page 2 -- line 2 on page 2 -- line 18 on
9 page 2. I'll get it.

10 MEMBER HAENICHEN: Second.

11 CHMN. KATZ: Any discussion?

12 (No response.)

13 CHMN. KATZ: All in favor?

14 (A chorus of "ayes.")

15 CHMN. KATZ: We then can move on.

16 We'll skip lines 19 through 24 because that's
17 our final vote, and we'll take that by roll call at the
18 end.

19 We next begin on line 25 on page 2, going into
20 the next page, with the project description, which was
21 read to us earlier, but take a minute or two to take a
22 look at it. Let's stay where we're at through line 9 on
23 page 3, and then we can scroll down in a few minutes.

24 And if you could, we can scroll down a couple of
25 lines. We can scroll -- oops. We need to see the rest

1 of it on page -- okay. That's good. And we're looking
2 right now -- is this page 3?

3 MR. ACKEN: It is, yes.

4 CHMN. KATZ: We're going through page 3,
5 line 18, and where did we start, page 2?

6 MR. ACKEN: Line 12 -- no, line 8.

7 CHMN. KATZ: No, line 25 on page 2 through
8 page 3, line -- line 18. And if you --

9 MEMBER GRINNELL: Um --

10 CHMN. KATZ: Yes, go ahead.

11 MEMBER GRINNELL: Point of clarity, line 5,
12 should it read both the AV 345 or the 500-kV
13 interconnection?

14 MR. ACKEN: Again, we ask that approval of both,
15 the "or" is addressed in condition 21. That's how we
16 recommended it be addressed.

17 MEMBER GRINNELL: Okay.

18 MR. ACKEN: You could add a line, if it gives
19 you more comfort, "CEC authorizes both the 345-kV and
20 500-kV interconnections, however, only one
21 interconnection will ultimately be built," something like
22 that.

23 MEMBER HAENICHEN: That's good.

24 CHMN. KATZ: We can just add that. I don't
25 necessarily think it's necessary, but I'd rather be safe

1 than sorry.

2 Okay. So, again, we're looking at the line --
3 was it 25 on page 2, through line number 19, I think it
4 is now on page 3.

5 Do we have a motion?

6 MEMBER HAENICHEN: I move that we do that
7 portion.

8 MEMBER GRINNELL: Second.

9 CHMN. KATZ: All in favor.

10 (A chorus of "ayes.")

11 CHMN. KATZ: Anybody opposed?

12 (No response.)

13 CHMN. KATZ: We now can review our various
14 conditions. Condition number 1, and I'm not going
15 to -- these are all very familiar, but take your time to
16 read it. And I'm not going to explain what each
17 paragraph is. I think by now the Committee understands.

18 MEMBER GRINNELL: I move condition 1.

19 MEMBER HAENICHEN: Second.

20 CHMN. KATZ: Any discussion?

21 (No response.)

22 CHMN. KATZ: All in favor?

23 (A chorus of "ayes.")

24 CHMN. KATZ: Anybody opposed?

25 (No response.)

1 CHMN. KATZ: We now can move to condition number
2 2.

3 MEMBER GRINNELL: Are we going to eliminate case
4 204?

5 CHMN. KATZ: Yes, we will. Any case references
6 will be deleted. And I will ask at the end for you to
7 give me the opportunity to make any typographical or
8 technical corrections. Grammatical corrections, that is,
9 we can strike from number 2, case 204.

10 MEMBER PALMER: I move condition 2.

11 MEMBER HAENICHEN: Second.

12 CHMN. KATZ: Any discussion?

13 (No response.)

14 CHMN. KATZ: All in favor?

15 (A chorus of "ayes.")

16 CHMN. KATZ: Anybody opposed?

17 (No response.)

18 CHMN. KATZ: We can move on. It's approved.

19 And just keep it right there, so we can see all
20 of condition number 3.

21 MEMBER HAENICHEN: I move condition 3.

22 MEMBER GRINNELL: Second.

23 CHMN. KATZ: Any discussion?

24 (No response.)

25 CHMN. KATZ: All in favor?

1 (A chorus of "ayes.")

2 CHMN. KATZ: Anybody opposed?

3 (No response.)

4 CHMN. KATZ: We'll next go to condition 4. And
5 we'll again eliminate references in this and subsequent
6 paragraphs to case 204 as we proceed.

7 MEMBER GRINNELL: And the previous condition was
8 added in there as well.

9 CHMN. KATZ: We'll make sure that any references
10 to prior case numbers that are bracketed get deleted from
11 the final CEC.

12 MEMBER GRINNELL: Yes, sir.

13 MEMBER PALMER: I move condition 4.

14 MEMBER GRINNELL: Move condition 4.

15 MEMBER PALMER: Second.

16 CHMN. KATZ: Moved and seconded condition 4.
17 Any discussion?

18 (No response.)

19 CHMN. KATZ: All in favor?

20 (A chorus of "ayes.")

21 CHMN. KATZ: Anybody opposed?

22 (No response.)

23 CHMN. KATZ: We can then move on to condition
24 number 5.

25 MEMBER GRINNELL: Move condition 5.

1 MEMBER HAENICHEN: Second.
2 CHMN. KATZ: Discussion?
3 (No response.)
4 CHMN. KATZ: All in favor?
5 (A chorus of "ayes.")
6 CHMN. KATZ: Anybody opposed?
7 (No response.)
8 CHMN. KATZ: Now, condition number 6.
9 MEMBER GRINNELL: Move condition 6.
10 MEMBER HAENICHEN: Second.
11 CHMN. KATZ: Discussion?
12 (No response.)
13 CHMN. KATZ: All in favor?
14 (A chorus of "ayes.")
15 CHMN. KATZ: Passes.
16 Number 7.
17 MEMBER HAENICHEN: I'll move 7.
18 MEMBER PALMER: Mr. Chair, there's a typo. It
19 should be "SHPO" instead of "SEIPO."
20 CHMN. KATZ: Yeah. S-H-P -- State Historic
21 Preservation Office, yes. S-H-P-O. It's just S-H-P-O.
22 Any motion on number 7?
23 MEMBER GRINNELL: So moved.
24 CHMN. KATZ: Any second?
25 MEMBER PALMER: Second.

1 CHMN. KATZ: Discussion?
2 (No response.)
3 CHMN. KATZ: All in favor?
4 (A chorus of "ayes.")
5 CHMN. KATZ: Anybody opposed?
6 (No response.)
7 CHMN. KATZ: Now condition number 8.
8 MEMBER HAENICHEN: I'll move 8.
9 MEMBER GRINNELL: Second.
10 CHMN. KATZ: Discussion?
11 (No response.)
12 CHMN. KATZ: All in favor?
13 (A chorus of "ayes.")
14 CHMN. KATZ: Anybody opposed?
15 (No response.)
16 CHMN. KATZ: Number 9.
17 MEMBER PALMER: I move condition 9.
18 MEMBER HAENICHEN: Second.
19 CHMN. KATZ: Any discussion of this?
20 (No response.)
21 CHMN. KATZ: All in favor?
22 (A chorus of "ayes.")
23 CHMN. KATZ: Anybody opposed?
24 (No response.)
25 CHMN. KATZ: We'll go on to number 10.

1 MEMBER HAENICHEN: I'll move 10.
2 MEMBER PALMER: Second.
3 CHMN. KATZ: Discussion?
4 (No response.)
5 CHMN. KATZ: All in favor?
6 (A chorus of "ayes.")
7 CHMN. KATZ: Anybody opposed?
8 (No response.)
9 CHMN. KATZ: Moving on to condition number 11.
10 MEMBER HAENICHEN: I shall move 11.
11 MEMBER PALMER: Second.
12 CHMN. KATZ: Discussion?
13 (No response.)
14 CHMN. KATZ: All in favor?
15 (A chorus of "ayes.")
16 CHMN. KATZ: Anybody opposed?
17 (No response.)
18 CHMN. KATZ: We'll move on to condition 12.
19 MEMBER GRINNELL: So moved.
20 MEMBER HAENICHEN: Second.
21 CHMN. KATZ: Any discussion?
22 (No response.)
23 CHMN. KATZ: All in favor?
24 (A chorus of "ayes.")
25 CHMN. KATZ: Anybody opposed?

1 (No response.)
2 MEMBER PALMER: I move condition 13.
3 MEMBER HAENICHEN: Second.
4 CHMN. KATZ: Any discussion?
5 (No response.)
6 CHMN. KATZ: All in favor?
7 (A chorus of "ayes.")
8 CHMN. KATZ: Condition number 14.
9 MEMBER HAENICHEN: I'll move 14.
10 CHMN. KATZ: Any second?
11 MEMBER PALMER: Second.
12 CHMN. KATZ: Any discussion?
13 (No response.)
14 CHMN. KATZ: All in favor?
15 (A chorus of "ayes.")
16 CHMN. KATZ: It passes.
17 Number 15.
18 MEMBER PALMER: I move condition 15.
19 MEMBER HAENICHEN: And I second.
20 CHMN. KATZ: Any discussion?
21 (No response.)
22 CHMN. KATZ: All in favor?
23 (A chorus of "ayes.")
24 CHMN. KATZ: Anybody opposed?
25 (No response.)

1 CHMN. KATZ: Condition 16.

2 MEMBER GRINNELL: So moved.

3 CHMN. KATZ: Any second?

4 MEMBER HAENICHEN: I'll second.

5 CHMN. KATZ: Any discussion?

6 (No response.)

7 CHMN. KATZ: All in favor.

8 (A chorus of "ayes.")

9 CHMN. KATZ: Now we'll look at condition 17. I
10 don't think you can pull up the whole condition at once,
11 but we can go on number, what is currently line 8 through
12 at least line 18 and then we can scroll and continue
13 reading.

14 MEMBER HAENICHEN: I move 17 up to line 8.

15 CHMN. KATZ: And we can now -- why don't you
16 just finish reading, we can probably have the whole
17 condition. We can now see the whole condition, both
18 parts A and B. So do you want to amend your motion to
19 include all of condition 17, Mr. Haenichen?

20 Do we have a motion -- would you amend your
21 motion for the approval of the entire if you feel
22 comfortable?

23 MEMBER HAENICHEN: I'll move 17 in its entirety.

24 MEMBER PALMER: Second.

25 CHMN. KATZ: Any discussion?

1 MEMBER GRINNELL: Quick question?

2 CHMN. KATZ: Yes, sir.

3 MEMBER GRINNELL: Line 24, "An applicant shall
4 provide a copy of the study results," is this within the
5 decision for the 345- and the 500-kV outcome; is that
6 what this is referencing?

7 MEMBER PALMER: This is dealing with natural gas
8 lines or other underground lines.

9 MEMBER GRINNELL: Okay. I need new glasses.
10 Okay. I apologize. Thank you.

11 CHMN. KATZ: That's fine. Any further
12 discussion?

13 (No response.)

14 CHMN. KATZ: All in favor?

15 (A chorus of "ayes.")

16 CHMN. KATZ: Anybody opposed?

17 (No response.)

18 CHMN. KATZ: Condition 17 passes.

19 Condition 18.

20 MEMBER HAENICHEN: I'll move 18.

21 MEMBER PALMER: Second.

22 CHMN. KATZ: Discussion?

23 (No response.)

24 CHMN. KATZ: All in favor of condition 18?

25 (A chorus of "ayes.")

1 CHMN. KATZ: Anyone opposed?
2 (No response.)
3 CHMN. KATZ: It passes.
4 Number 19.
5 MEMBER PALMER: Move 19.
6 MEMBER HAENICHEN: Second.
7 CHMN. KATZ: Discussion?
8 (No response.)
9 CHMN. KATZ: All in favor?
10 (A chorus of "ayes.")
11 CHMN. KATZ: Anybody opposed?
12 (No response.)
13 CHMN. KATZ: 19 passes.
14 Number 20.
15 MEMBER PALMER: I move condition 20.
16 MEMBER GRINNELL: Second.
17 CHMN. KATZ: Any further discussion?
18 (No response.)
19 CHMN. KATZ: All in favor?
20 (A chorus of "ayes.")
21 CHMN. KATZ: Anybody opposed?
22 (No response.)
23 CHMN. KATZ: Moving then -- it passes -- 21.
24 MR. ACKEN: Mr. Chairman?
25 CHMN. KATZ: Yes.

1 MR. ACKEN: Just to make it clear for the
2 record, on C -- Chairman Exhibit 2, which is the Word
3 version, you see a redline markup to condition 21. What
4 that is is our proposed markup to condition 20 -- to
5 condition 21, as approved in case 201. So we wanted to
6 show you the differences to what this Committee and the
7 Commission approved in Case 201. You know, it's
8 really -- and I characterize it in the nature of just
9 clarifying, it's a different ask, it's a different
10 option, but the intent is the same, but we wanted to be
11 open and transparent about -- about that ask.

12 CHMN. KATZ: And all that redlining will get
13 eliminated, correct?

14 MR. ACKEN: That's correct.

15 CHMN. KATZ: Take a look at it, read it
16 carefully, and if you see any need for changes, you'll
17 let us know. Otherwise, I'll entertain a motion.

18 MEMBER PALMER: I move condition 21.

19 MEMBER HAENICHEN: Second.

20 CHMN. KATZ: Discussion?

21 (No response.)

22 CHMN. KATZ: All in favor?

23 (A chorus of "ayes.")

24 CHMN. KATZ: Anybody opposed?

25 (No response.)

1 CHMN. KATZ: Number 22.
2 Any motion?
3 MEMBER HAENICHEN: So moved.
4 CHMN. KATZ: Second?
5 MEMBER PALMER: Second.
6 CHMN. KATZ: All in favor?
7 (A chorus of "ayes.")
8 CHMN. KATZ: All opposed?
9 (No response.)
10 CHMN. KATZ: The matter number 22 condition is
11 approved.
12 Number 23.
13 MEMBER FRENCH: I'll move condition 23.
14 MEMBER GRINNELL: Second.
15 CHMN. KATZ: Discussion?
16 (No response.)
17 CHMN. KATZ: All in favor?
18 (A chorus of "ayes.")
19 CHMN. KATZ: Anybody opposed?
20 (No response.)
21 CHMN. KATZ: We'll now go to the Findings of
22 Fact and Conclusions of Law. And I'll just generally
23 refer to them as "findings," but finding
24 beginning -- what page are we on now?
25 MR. ACKEN: Page 10.

1 CHMN. KATZ: Okay. Page 10, we're looking at
2 line 12 through 16, I'm not going to reference all the
3 line. We're looking at what's numbered as Finding of
4 Fact and Conclusion of Law number 1.

5 MEMBER PALMER: I move Finding of Fact and
6 Conclusion of Law number 1.

7 MEMBER HAENICHEN: Second.

8 CHMN. KATZ: Discussion?

9 (No response.)

10 CHMN. KATZ: All in favor?

11 (A chorus of "ayes.")

12 CHMN. KATZ: Anybody opposed?

13 (No response.)

14 CHMN. KATZ: No opposition. We'll go on to
15 condition number 2 -- not condition -- finding number 2.

16 MEMBER HAENICHEN: I move finding 2.

17 CHMN. KATZ: Second?

18 MEMBER DRAGO: Second.

19 CHMN. KATZ: All in favor?

20 (A chorus of "ayes.")

21 CHMN. KATZ: Moving to finding number 3.

22 MEMBER FRENCH: I'll move finding 3.

23 MEMBER HAENICHEN: Second.

24 CHMN. KATZ: Discussion?

25 (No response.)

1 CHMN. KATZ: All in favor?
2 (A chorus of "ayes.")
3 CHMN. KATZ: Anybody opposed?
4 (No response.)
5 CHMN. KATZ: Condition or finding number 5 --
6 MEMBER PALMER: 4.
7 CHMN. KATZ: Excuse me, 4.
8 MEMBER PALMER: I move finding 4.
9 MEMBER HAENICHEN: I will second.
10 CHMN. KATZ: Discussion?
11 (No response.)
12 CHMN. KATZ: All in favor?
13 (A chorus of "ayes.")
14 CHMN. KATZ: Anybody opposed?
15 (No response.)
16 CHMN. KATZ: Now finding number 5.
17 MEMBER HAENICHEN: I move finding 5.
18 MEMBER FRENCH: Second.
19 CHMN. KATZ: Discussion?
20 (No response.)
21 CHMN. KATZ: All in favor?
22 (A chorus of "ayes.")
23 CHMN. KATZ: Any opposition?
24 (No response.)
25 CHMN. KATZ: Let's look at our final Finding of

1 Fact and Conclusion of Law number 6.

2 MEMBER DRAGO: I move finding 6.

3 MEMBER PALMER: Second.

4 CHMN. KATZ: Any discussion?

5 (No response.)

6 CHMN. KATZ: All in favor?

7 (A chorus of "ayes.")

8 CHMN. KATZ: Anyone opposed?

9 (No response.)

10 CHMN. KATZ: Hearing no opposition, that is
11 approved.

12 We can go back to take the roll call vote with
13 respect to this entire CEC.

14 Okay. And we're on, is this page -- this is
15 page 2, correct?

16 MR. ACKEN: Yes.

17 CHMN. KATZ: And it begins at line 19 through
18 line 24, and we're going to need -- there are six of us
19 here, and we're all eligible to vote and starting on my
20 left, how do you vote with respect to approving the CEC,
21 as we just amended it?

22 MEMBER DRAGO: I vote aye.

23 MEMBER FRENCH: I vote aye.

24 MEMBER HAENICHEN: I vote aye.

25 MEMBER PALMER: And I vote aye.

1 CHMN. KATZ: And I vote aye. I think that gives
2 us a 6 to 0 count -- I'm sorry, Mr. Grinnell.

3 MEMBER GRINNELL: That's all right. I'm just
4 sitting here waiting. Aye.

5 CHMN. KATZ: Thank you very much. I never mean
6 to ignore you, you know that.

7 MEMBER GRINNELL: No, that's all right. I'm --
8 I don't take it personal.

9 CHMN. KATZ: Anyway, I think we're fine with
10 this. And probably after we review the next CEC we
11 can -- I'd entertain a motion to authorize myself to make
12 any grammatical or typographical error corrections, but
13 I'm not going to change anything substantively. I just
14 want to make sure that we don't get the Commission
15 aggravated by our grammatical or typographical -- what do
16 you suggest, Mr. Acken, we do on the -- again, the one
17 that we have just marked up is Chair Exhibit Number 2,
18 the PDF original version will be Chair Exhibit Number 1.

19 We're now going to be working off of Chair
20 Exhibit Number 3, and I don't know, we could go through
21 every paragraph again, or we can just go through the
22 paragraphs that are different from the CEC-1.

23 MEMBER HAENICHEN: That's what we should do.

24 MR. ACKEN: And, Mr. Chairman, I can explain
25 what those differences are. I think we've already talked

1 about them. It is materially identical, with the
2 difference in the project description, the project
3 overview. So we should look at that section and then, as
4 I mentioned earlier, condition 21 just has some different
5 language, but substantively it's the same, but those are
6 the only two differences between the two CECs.

7 CHMN. KATZ: And what's projected on the right
8 screen right now?

9 MR. ACKEN: Of which? The PDF of CEC-1 or
10 CEC-2?

11 MEMBER DRAGO: It says 1.

12 MR. ACKEN: It still says 1. Okay. Thank you.
13 So that -- so on the right screen is Chairman Exhibit 3,
14 which is the PDF of CEC-2. On the left screen is the
15 Word version of CEC-2, which is Chairman's Exhibit 4. So
16 the first change we need to make is identify that as --
17 thank you -- identify that as 206-2. And then the only
18 difference that will be in the project description, if
19 you scroll down there --

20 CHMN. KATZ: And we need to make sure that we
21 have the members listed correctly. Go back up.

22 MR. ACKEN: Do you want to authorize us to make
23 those changes or do you want to go through them?

24 CHMN. KATZ: I think we can go ahead -- I don't
25 think that there's any problem -- I don't think we need a

1 vote to eliminate Toby Little's name and Mary Hamway's
2 name; they told us in advance they wouldn't be
3 participating. But let's review now the project, what
4 lines on the project overview are being changed?

5 MR. ACKEN: That would be page 2, line 25,
6 through page 3, down to line 19.

7 CHMN. KATZ: We'll just need to have a motion to
8 approve the project overview language that begins on
9 page 2, line 25, running through -- what is it, page 3?

10 MEMBER DRAGO: Uh-huh, line 19.

11 MR. ACKEN: And Mr. Doyle reminds me that we
12 need to add the sentence in this description to conform
13 it to the CEC -- there you go, thank you -- "however,
14 only one interconnection option will be built."

15 CHMN. KATZ: And if you need us to go back, we
16 can, but I think all we need to do is have a vote and
17 possible discussion or discussion and possible vote with
18 respect to the project overview in CEC-206-2, which
19 varies from the project description of CEC-206-1.

20 MEMBER PALMER: Mr. Chairman, I would move
21 approval of item B, the project overview, beginning on
22 line 25, page 2, commencing to page 3, line 20.

23 CHMN. KATZ: Second?

24 MEMBER HAENICHEN: Second.

25 CHMN. KATZ: All in favor?

1 (A chorus of "ayes.")

2 CHMN. KATZ: And do we also need to take a look
3 at condition number 21 or is it identical to the last?

4 MR. ACKEN: I would suggest looking at it just
5 to be it clear.

6 CHMN. KATZ: Let's take a look at condition 21,
7 which --

8 MR. ACKEN: So, again, the only difference here
9 is instead of referring to "applicant," it refers to
10 "West Camp Wind Farm, LLC," as that will be the entity
11 that makes the election.

12 CHMN. KATZ: So in CEC-206-2, we're looking at
13 line -- what page number is this?

14 MR. ACKEN: Page 9, I believe.

15 CHMN. KATZ: Page 9, lines 18 through 23 or 24,
16 excuse me, and we'll eliminate the reference to case 201.

17 MEMBER GRINNELL: Mr. Chairman, quick question.

18 CHMN. KATZ: Yes, sir.

19 MEMBER GRINNELL: Why are we eliminating
20 "gen-tie project," isn't there a gen-tie connected to the
21 CE- -- this CEC?

22 MR. ACKEN: There is. It's in how each project
23 was defined, so in 201, the project was identified as "a
24 gen-tie." Our project is identified as "the project," so
25 the gen-tie is the project, so that's why, just for

1 consistency, when you see "project" in the CEC-206-1 and
2 -2, it's a reference to the gen-tie. It's a defined term
3 earlier.

4 MEMBER GRINNELL: But isn't the selection part
5 of the project as well, aren't they two separate -- I'm
6 just trying to clarify this for my own.

7 MR. ACKEN: Understood. It's just how each
8 project defined itself. So 201, the project was they
9 defined it as a gen-tie. We defined our gen-tie project
10 as a project. So when you look in this CEC anywhere it's
11 referencing "project," it's only referencing the
12 interconnection facilities. It's not referencing the
13 wind project at all.

14 MEMBER GRINNELL: But what about the selection
15 process?

16 MR. ACKEN: Same. The same analysis applies.
17 So when we talk about "no later than start of the
18 project," that means no later than the start of the
19 transmission line and other interconnection facilities.

20 MEMBER GRINNELL: Okay.

21 CHMN. KATZ: Do we have a motion to accept the
22 amended version of condition number 21 for CEC-206-2 or
23 hyphen 2?

24 MEMBER PALMER: I so move.

25 MEMBER FRENCH: Second.

1 CHMN. KATZ: Any further discussion?

2 (No response.)

3 CHMN. KATZ: All in favor?

4 (A chorus of "ayes.")

5 CHMN. KATZ: Anybody opposed?

6 (No response.)

7 MEMBER PALMER: So do you now want a motion to
8 accept this document in its entirety, before we vote in
9 an up-or-down vote?

10 CHMN. KATZ: I think maybe we should have a
11 motion. It's my understanding, with the exception of the
12 project description and the clarifications we made with
13 respect to paragraph 21, this second CEC for CEC Number
14 206 is identical to the first. So we probably should
15 just have a motion approving it as written, and then we
16 can take the roll call vote to see if everybody agrees to
17 its passage.

18 MEMBER PALMER: Mr. Chairman, with that, I'll
19 make a motion that we accept the CEC-206-2, as written,
20 which mirrors the first CEC with those changes identified
21 previously.

22 MEMBER FRENCH: Second.

23 MEMBER HAENICHEN: Second.

24 CHMN. KATZ: Any discussion?

25 (No response.)

1 CHMN. KATZ: All in favor?

2 (A chorus of "ayes.")

3 CHMN. KATZ: Anybody opposed?

4 (No response.)

5 CHMN. KATZ: We now can go back and take our
6 roll call vote with respect to the approval of CEC-206-2,
7 and we're looking at page -- is this page 2 or 3?

8 MR. ACKEN: Page 2.

9 CHMN. KATZ: Page 2, lines 19 through 24. I'll
10 ask Mr. Drago how he would vote.

11 MEMBER DRAGO: I vote aye.

12 CHMN. KATZ: Mr. French?

13 MEMBER FRENCH: I vote aye.

14 CHMN. KATZ: Mr. Haenichen?

15 MEMBER HAENICHEN: I vote aye.

16 CHMN. KATZ: Mr. Palmer?

17 MEMBER PALMER: I vote aye. And I would like to
18 thank the applicant, the attorneys, the witnesses for
19 making sense of what was rather complicated to
20 understand. I think they did a great job of helping us
21 to understand that.

22 CHMN. KATZ: And Mr. Grinnell?

23 MEMBER GRINNELL: I'm going to vote aye. And I
24 would like to echo Mr. Palmer's comments. I realize I
25 asked a lot of crazy questions, but in order for me to be

1 responsible here, I needed to clarify this. So thank you
2 all for your patience and your clarifications.

3 CHMN. KATZ: And you're voting aye, correct?

4 MEMBER GRINNELL: Yes.

5 CHMN. KATZ: And I also am voting aye or yes.

6 And I want to thank Mr. Acken and all of the
7 folks from APS, as well as the witnesses who are
8 appearing here, for the succinct job they did in helping
9 some of us laypeople better understand the intricacies of
10 this project.

11 And I know that you'll continue to work with
12 Navajo County and with APS to make sure that we get this
13 wind farm project and its interconnection to the grid
14 built one way or the other.

15 So if there's nothing further --

16 MEMBER PALMER: Mr. Chairman?

17 CHMN. KATZ: Yes.

18 MEMBER PALMER: If I might offer a motion to
19 authorize the chairman to make any -- fix any scribner's
20 errors, spelling errors, typos, anything of a technical
21 nature that wouldn't change the intent of the documents.

22 MEMBER HAENICHEN: I second that motion.

23 CHMN. KATZ: Any discussion?

24 (No response.)

25 CHMN. KATZ: All in favor?

1 (A chorus of "ayes.")

2 CHMN. KATZ: Anyone opposed?

3 (No response.)

4 CHMN. KATZ: Well, I want to thank -- yes, go
5 ahead, Mr. Acken.

6 MR. ACKEN: Mr. Chairman, file this in the
7 category of maybe better late than never. But I don't
8 think I ever offered my exhibits, and so I would do that
9 now.

10 CHMN. KATZ: That's okay.

11 MR. ACKEN: I offer exhibits West Camp Wind 1
12 through 8.

13 CHMN. KATZ: Fortunately, we don't follow formal
14 Rules of Evidence, and all of the Exhibits 1 through 8 --
15 and when I say 1 through 8, those are WCW-1 through -8,
16 correct?

17 MR. ACKEN: That's correct.

18 CHMN. KATZ: They are admitted.

19 (Exhibits WCW-1, WCW-2, WCW-3, WCW-4, WCW-5,
20 WCW-6, WCW-7, and WCW-8 were admitted into evidence.)

21 CHMN. KATZ: And you need to make sure that
22 we'll get a copy of the CECs to our court reporter.
23 Again, we worked off of number -- Chair 2 and Chair 4.
24 Chair 1 and 3 are the PDF versions of those, just for the
25 record. We always like to have a record so the

1 Corporation Commission or the public knows what changes
2 we may have made during the course of deliberations.

3 And that being said, I guess we won't be seeing
4 Mr. Acken until later in the year or are you done for the
5 year?

6 MR. ACKEN: I'm done for the year. I'll see --
7 I'll see the Committee in January. I understand you have
8 a few things to keep you busy, but just --

9 CHMN. KATZ: Right. And, again, I know that I
10 will be leaving the AG's office the end of February. I
11 don't know when my successor will be appointed. With the
12 election coming up, I think the powers that be have been
13 hesitant to appoint somebody. I just hope we find
14 somebody a few years younger than the last three chair.
15 We don't need people my age, 60s or 70s, and have to
16 train somebody every couple of years. So it would be
17 nice to find somebody that's experienced, in their late
18 30s, 40s, or 50s, maybe even in their early 30s if they
19 know what they're doing.

20 But anyway, thank you all very much. And we'll
21 be seeing some of you in the not-too-distant future.

22 MEMBER PALMER: Could I add one comment? That
23 I, you know, often they labor behind the scenes or in
24 front of the scenes quietly, but I want to say thank you
25 to the AV team and to our court reporter, who just did a

1 great job.

2 CHMN. KATZ: I do as well. And without Tod
3 involved in this process, I think I'd be a lost soul.
4 But thank you, Tod, if you're listening. And if not, I
5 know you're doing something productive.

6 We do stand in recess.

7 (Proceedings concluded at 10:37 a.m.)

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1 STATE OF ARIZONA)
COUNTY OF MARICOPA)

2

3

4 BE IT KNOWN that the foregoing proceedings were
5 taken before me; that the foregoing pages are a full,
6 true, and accurate record of the proceedings all done to
the best of my skill and ability; that the proceedings
were taken down by me in shorthand and thereafter reduced
to print under my direction.

7

8 I CERTIFY that I am in no way related to any of
the parties hereto nor am I in any way interested in the
outcome hereof.

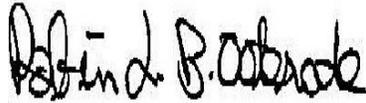
9

10 I CERTIFY that I have complied with the ethical
11 obligations set forth in ACJA 7-206(F)(3) and ACJA 7-206
12 (J)(1)(g)(1) and (2). Dated at Phoenix, Arizona, this
13 16th day of October, 2022.

11

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13



14

ROBIN L. B. OSTERODE, RPR
CA CSR No. 7750
AZ CR No. 50695

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19 I CERTIFY that Glennie Reporting Services, LLC,
has complied with the ethical obligations set forth in
ACJA 7-206(J)(1)(g)(1) through (6).

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GLENNIE REPORTING SERVICES, LLC
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