

1 BEFORE THE ARIZONA POWER PLANT LS-426

2 AND TRANSMISSION LINE SITING COMMITTEE

3

4 IN THE MATTER OF THE APPLICATION OF) DOCKET NO.
TUCSON ELECTRIC POWER COMPANY IN) L-00000C-25-0094-
5 CONFORMANCE WITH THE REQUIREMENT OF) 00246
ARS SECTION 40-360, ET SEQ, FOR A)
6 CERTIFICATE OF ENVIRONMENTAL)
COMPATIBILITY AUTHORIZING THE)
7 NORTHWEST MARANA RELIABILITY)
PROJECT, WHICH INCLUDES THE)
8 CONSTRUCTION OF A NEW 138-kV)
TRANSMISSION LINE AND SWITCHYARD) EVIDENTIARY
9 WITHIN THE TOWN OF MARANA,) HEARING
UNINCORPORATED PIMA COUNTY, AND)
10 UNINCORPORATED PINAL COUNTY,)
ARIZONA.)
11 _____)

12

13 At: Tucson, Arizona

14 Date: June 16, 2025

15 Filed: June 23, 2025

16

17 REPORTER'S TRANSCRIPT OF PROCEEDINGS

18 (Pages 1 through 162)

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1 BE IT REMEMBERED that the above-entitled
2 and numbered matter came on regularly to be heard before
3 the Arizona Power Plant and Transmission Line Siting
4 Committee at Tucson, Arizona, commencing at 1:00 p.m. on
5 June 16, 2025.

6

7

8 BEFORE: ADAM STAFFORD, Chairman

9 MICHAEL COMSTOCK, Arizona Corporation Commission
(Videoconference appearance.)

10 LEONARD C. DRAGO, Department of Environmental
Quality

11 SAL DiCICCIO, Incorporated Cities and Towns
(Videoconference appearance.)

12 DOUGLAS FANT, General Public

ROMAN FONTES, Counties

13 DAVID FRENCH, Arizona Department of Water Resources

R. DAVID KRYDER, Agriculture Interests

14 MARGARET "TOBY" LITTLE, General Public

GABRIELA SAUCEDO MERCER, General Public

15

16

APPEARANCES:

17

For the Applicant:

18

OSBORN MALEDON, P.A.

19 By: Meghan H. Grabel

By: Elias J. Ancharski

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21

- and -

22

MEGAN HILL, TEP

23 In-house Counsel

24

25

1 CHMN STAFFORD: All right. Let's go on the
2 record. Now is the time set for the hearing on the
3 application of Tucson Electric Power for the Northwest
4 Marana Reliability Project, Docket Number
5 L-00000C-25-0094-00246, or Line Siting Case Number 246.

6 Let's take the roll call.

7 Member Kryder.

8 MEMBER KRYDER: Present.

9 CHMN STAFFORD: Member Mercer.

10 MEMBER MERCER: Present.

11 CHMN STAFFORD: Member Fant.

12 MEMBER FANT: Here.

13 CHMN STAFFORD: Member French.

14 MEMBER FRENCH: Here.

15 CHMN STAFFORD: Member Fontes.

16 MEMBER FONTES: Here.

17 CHMN STAFFORD: And online we have Member
18 Little.

19 MEMBER LITTLE: (No response.)

20 CHMN STAFFORD: Member Little?

21 MEMBER LITTLE: Here.

22 CHMN STAFFORD: I see you, but I don't hear
23 you.

24 MEMBER LITTLE: Here.

25 CHMN STAFFORD: There she is.

1 And Member Comstock?

2 MEMBER COMSTOCK: Present.

3 CHMN STAFFORD: Thank you.

4 MEMBER DiCICCIO: And you have Sal DiCiccio
5 as well.

6 CHMN STAFFORD: Oh good. Thank you, Member
7 DiCiccio.

8 MEMBER DiCICCIO: You're welcome.

9 CHMN STAFFORD: All right. I'd like to
10 welcome the new members, Members Comstock, DiCiccio, and
11 Fant with us today. Welcome.

12 I would remind everyone that the ex parte
13 rule is in effect and so the parties and members of the
14 public should not speak to the members about the merits
15 of the case. We will be taking breaks approximately
16 every 90 minutes for the court reporter. I will remind
17 everyone to please speak one at a time. The court
18 reporter has to write down everything we say, so the best
19 way if a member has a question, just call on the chair
20 and I will recognize you, and then make sure we have an
21 orderly hearing and everyone speaks one at a time.

22 Let's take the appearance of the applicant.

23 MS. GRABEL: Thank you, Mr. Chairman,
24 committee members, Meghan Grabel from the law firm of
25 Osborn Maledon, on behalf of Tucson Electric Power

1 Company. With me from my law firm is my colleague, Elias
2 Ancharski. And also with me at counsel table is in-house
3 regulatory counsel, Megan Hill.

4 CHMN STAFFORD: Thank you.

5 And there have been no requests for
6 intervention or notices to intervene?

7 MS. GRABEL: That is correct, sir.

8 CHMN STAFFORD: Would you like to make an
9 opening statement, Ms. Grabel?

10 MS. GRABEL: I would. Before I do, though,
11 I would like to thank Member Kryder for bringing it to
12 our attention that your lovely exhibit notebooks that we
13 put together and delivered to the Arizona Corporation
14 Commission somehow did not make it to you all. Instead
15 the Corporation Commission just printed out copies and
16 rubber banded them, and I want you all to know that we
17 are working with the Commission to get that fixed in the
18 future.

19 CHMN STAFFORD: Thank you.

20 MS. GRABEL: Certainly.

21 MEMBER KRYDER: Thank you very much.

22 MS. GRABEL: All right. So, again, thank
23 you Chairman, committee members, we are here today to
24 talk about the Northwest Marana Reliability Project in
25 Pima County and Pinal County, Arizona. The primary

1 purpose of the Northwest Marana Reliability Project is to
2 upgrade the existing 46-kV system that has served the
3 area for over 60 years and improve the reliability of
4 this growing part of the state.

5 By way of a brief summary, the Northwest
6 Marana reliability project, I'll probably just call it
7 "the project," consists of three interconnected
8 facilities. First, TEP proposes to construct a new
9 approximately one-half mile single-circuit 138-kV
10 transmission line segment connecting a planned Grier
11 Substation to a previously approved line north of Grier
12 Substation along West Marana Road that is being built in
13 partnership with Arizona Electric Power Cooperative, who
14 we will refer to as AEPCO, and TEP. We will refer to
15 this connection as the circuit tie.

16 TEP also proposes to construct a new
17 switchyard to be known as the Owl Head Ranch Switchyard,
18 which will be located on about 15 acres east of
19 Interstate 10 on North Owl Head Ranch Road, near AEPCO's
20 or Trico's existing Adonis Substation. Finally, TEP
21 requests approval to construct an approximately 7- to
22 9-mile double-circuit 138-kV transmission line connecting
23 the Grier Substation to the planned Owl Head Ranch
24 Switchyard.

25 This map, which has been marked as Exhibit

1 TEP-3, and also appears in the placemats in front of you
2 is an overview of the project location. The map
3 identifies the preferred and alternative routes, as well
4 as the connection points for the project. Due to the
5 proximity of the circuit tie to the planned Grier
6 Substation, TEP proposes one route between the Grier
7 Substation, which is identified with the pink or purple
8 square and the circuit tie, which is identified by the
9 yellow square.

10 The Grier Substation to circuit tie route
11 begins at the Grier Substation and runs due north for
12 approximately one-half mile to connect the circuit tie
13 road -- circuit tie, excuse me, located on West Marana
14 Road. The location of the proposed Owl Head Ranch
15 Switchyard is identified by the red square on the map.
16 TEP requests that the committee approve a switchyard
17 siting area within the approved corridor so that TEP may
18 work with the Arizona State Land Department to determine
19 the most acceptable location for the switchyard. As you
20 can see, TEP proposes several alternative routes that
21 would connect the Grier Substation to the proposed Owl
22 Head Ranch Switchyard. TEP's preferred route to connect
23 the Grier Substation to the Owl Head Ranch Switchyard is
24 a combination of alternative routes 1 and A. We'll hear
25 more from our witnesses to talk about each segment in

1 greater detail over the hearing.

2 The length of the preferred route is
3 approximately 9 miles. The lengths of the alternatives
4 vary from approximately 7 1/2 to 9 miles. Each route
5 will occupy a combination of land owned by the Arizona
6 Department of Transportation, Arizona State Land
7 Department, the U.S. Bureau of Reclamation, and private
8 land. TEP plans to obtain the rights-of-way and
9 easements for construction and operation up to 500-foot
10 character -- corridors. And while TEP has identified and
11 proposes a preferred route, all the routes proposed here
12 will be able to meet the purpose of the project and
13 satisfy the factors contained in ARS 40-360.

14 CHMN STAFFORD: Can you hold up one second,
15 Ms. Grabel?

16 MS. GRABEL: Of course.

17 CHMN STAFFORD: Excuse me, sir, if you're a
18 member of the public, you would like to watch this, can
19 you please sit over there, this table is for the members,
20 thank you.

21 UNIDENTIFIED SPEAKER: You bet.

22 CHMN STAFFORD: Ms. Grabel, please proceed.

23 MS. GRABEL: Thank you, Mr. Chairman.

24 As I mentioned, the primary need for the
25 project is to upgrade the aging transmission system that

1 currently serves the area. The Marana area is currently
2 served by a radial 46-kV system, which was adequate and
3 appropriate when installed many years ago, 60 years ago,
4 but no longer meets the growing needs of this quickly
5 growing area. Peak power demand in Marana has reached
6 nearly -- has nearly reached the capacity of the older
7 system, which reduces electric reliability and results in
8 longer power outages in some areas than it otherwise
9 would. The existing system serving Marana has little to
10 no contingency reserve, creating circumstances that
11 challenge TEP's ability to serve customers in the area
12 reliably and adversely impact the future growth potential
13 of Marana.

14 The project will also result in the
15 creation of a loop system which increases reliability.
16 For example, if a segment of a loop system fails,
17 electricity can be provided from the other direction,
18 thus reducing the frequency and duration of outages, as
19 you'll hear more about during the hearing.

20 In sum, we believe the evidence will show
21 that the project will allow TEP to meet its obligation to
22 provide power to its customers, will enhance reliability
23 for customers in the area, and will have a minimal impact
24 on the environment and ecology of the state.

25 So the evidence today will be supported by

1 the testimony of three witnesses who will be presented in
2 two panels. First, Ms. Ariana [sic] Martinez, is the
3 siting, outreach, and engagement project manager for TEP
4 and UNSE and the lead project manager for this project.
5 Ms. Martinez will introduce TEP and the project, describe
6 its general characteristics and the proposed routes,
7 describe its purpose and benefits, and also will address
8 the notice and public outreach activities. She will also
9 go over the virtual during tour.

10 You will also hear from Mr. Clark Bryner,
11 the manager of siting, outreach, and engagement for TEP
12 and UNSE. Mr. Bryner will talk about the overall
13 planning and siting process for the project and will also
14 talk about the biological factors that were considered.

15 Finally, Mr. Jerome Hesse, the cultural
16 resources director for Arizona at SWCA Environmental
17 Consultants, will describe the cultural factors
18 considered under the CEC approval process and its
19 analysis of those factors as they relate to this project.
20 As a whole, our panels will discuss the project and the
21 context of the factors required for the committee's
22 consideration under state law.

23 So on to some housekeeping items. Each of
24 you should have the exhibits and materials that were
25 provided to you and that we'll use during the hearings,

1 both perhaps in paper but certainly on the iPads that
2 have been provided by the AV team. If you have the
3 binders, you should also have the flash drives that have
4 the exhibits, as well as the virtual tour, which you'll
5 see later today and if you do not have those flash drives
6 because of the hiccup that happened at the Commission,
7 let us know and we'll provide them to you.

8 So based on the evidence that you will hear
9 over the next day or two, we are confident that you will
10 conclude that the Northwest Marana Reliability Project
11 will help meet Arizona's needs for an adequate, economic,
12 and reliable supply of power.

13 And with that we are ready to begin our
14 witness presentation.

15 CHMN STAFFORD: Thank you, Ms. Grabel.
16 You'll be calling all three witnesses as a panel?

17 MS. GRABEL: We're going to do two panels.
18 I think first we'll start with Ms. Martinez and
19 Mr. Bryner, and then we'll invite Mr. Hesse during the
20 second panel.

21 CHMN STAFFORD: All right. You can call
22 your first panel and I'll swear them in.

23 MS. GRABEL: I call Ms. Martinez and
24 Mr. Bryner.

25 CHMN STAFFORD: Ms. Martinez, would you

1 prefer an oath or affirmation?

2 MS. MARINEZ: Affirmation.

3 (Adriana Martinez was duly affirmed by
4 the Chairman.)

5 CHMN STAFFORD: Mr. Bryner, do you prefer
6 an oath or affirmation?

7 MR. BRYNER: An oath.

8 (Clark Bryner was duly sworn by
9 the Chairman.)

10 CHMN STAFFORD: Thank you.

11 Ms. Grabel.

12 MS. GRABEL: Thank you.

13

14 ADRIANA MARINEZ and CLARK BRYNER,
15 called as witnesses as a panel on behalf of Applicant,
16 having been previously affirmed or sworn by the Chairman
17 to speak the truth and nothing but the truth, were
18 Examined and testified as follows:

19

20 D I R E C T E X A M I N A T I O N

21 BY MS. GRABEL:

22 Q. Ms. Martinez, please state your name and business
23 address for the record.

24 A. (MS. MARINEZ) Adriana Martinez, 88 East Broadway,
25 Tucson, Arizona.

1 Q. By whom are you employed and in what capacity?

2 A. (MS. MARINEZ) Tucson Electric Power, project
3 manager.

4 Q. What is your role in this project?

5 A. (MS. MARINEZ) I was the lead project manager.

6 Q. And do you have the book of exhibits in front of
7 you?

8 A. (MS. MARINEZ) I do.

9 Q. Will you please look at Exhibit TEP-1, which
10 identifies the CEC application that was submitted.

11 Have you seen this document before?

12 A. (MS. MARINEZ) I have.

13 Q. Was it prepared by you or under your direction
14 and control?

15 A. (MS. MARINEZ) Yes.

16 Q. Are the statements contained within TEP-1 true
17 and correct, to the best of your knowledge?

18 A. (MS. MARINEZ) Yes.

19 Q. Do you have any corrections that you would like
20 to make to Exhibit TEP-1?

21 A. (MS. MARINEZ) No.

22 Q. Do you have a supplement to the application that
23 you're prepared to address?

24 A. (MS. MARINEZ) Yes.

25 Q. And is that Exhibit TEP-2, which is marked as a

1 supplement to Exhibit G-1 of the presentation?

2 A. (MS. MARINEZ) Yes.

3 Q. Have you seen this document before?

4 A. (MS. MARINEZ) Yes.

5 Q. Was it prepared by you or under your direction
6 and control?

7 A. (MS. MARINEZ) Yes.

8 Q. Please describe what's in TEP-2.

9 A. (MS. MARINEZ) So it contains visual simulations
10 from key observation points.

11 Q. Why is the supplement being provided to the
12 committee?

13 A. (MS. MARINEZ) So we -- we -- we created
14 additional visual simulations after alternative routes
15 were identified.

16 Q. Do you intend to go through each of the visual
17 simulations during the presentation?

18 A. (MS. MARINEZ) Yes.

19 Q. Will you please turn to Exhibit TEP-3, which is
20 a map of the proposed project.

21 Was TEP-3 prepared by you or under your
22 direction and control?

23 A. (MS. MARINEZ) Yes.

24 Q. Is TEP-3 the same map that is contained on the
25 placemat in front of the committee members?

1 A. (MS. MARINEZ) It is, more or less. The only
2 thing different on the placemat is that the placemat also
3 has planned and existing development in the peach and
4 brown color, but it is essentially the same map.

5 Q. Thank you.

6 And as long as you have the placemat up and the
7 committee members are looking at it, will you please
8 describe what else is depicted on the placemat?

9 A. (MS. MARINEZ) So there are a few key observation
10 points, simulations from those KOPs, and then we also
11 have information about the route length and cost for each
12 alternative.

13 Q. Please turn to Exhibit TEP-4, which is the
14 testimony summary of Adriana Martinez.

15 Was TEP-4 prepared by you or under your
16 direction and control?

17 A. (MS. MARINEZ) Yes.

18 Q. Are the contents true and correct, to the best
19 of your knowledge?

20 A. (MS. MARINEZ) Yes.

21 Q. And, finally, Ms. Martinez, please turn to
22 Exhibit TEP-7, which is the PowerPoint presentation that
23 was prepared for this hearing.

24 Are you there?

25 A. (MS. MARINEZ) Uh-huh.

1 Q. Was TEP-7 prepared by you or under your
2 direction and control?

3 A. (MS. MARINEZ) Yes.

4 Q. Do you have any changes you would like to make
5 to Exhibit TEP-7?

6 A. (MS. MARINEZ) There are some minor misprints
7 that I'll correct when we get to the slides.

8 Q. Just typos?

9 A. (MS. MARINEZ) Yes, uh-huh.

10 Q. Thank you.

11 Great. And now, before we begin I guess we'll
12 introduce Mr. Bryner.

13 Mr. Bryner, will you please state your name and
14 business address for the record?

15 A. (MR. BRYNER) My name is Clark Bryner. My
16 business address is 88 East Broadway, Tucson, Arizona.

17 Q. By whom are you employed and in what capacity?

18 A. (MR. BRYNER) By Tucson Electric Power as the
19 manager of siting -- siting, outreach, and engagement.

20 Q. And what is your role in this project?

21 A. (MR. BRYNER) In this project I've operated in
22 more of an advisory capacity to Ms. Marinez. In
23 particular, though, I've had roles in the outreach
24 efforts, as well as our siting process.

25 Q. And will you please turn to Exhibit TEP-5, which

1 is the testimony summary of Clark Bryner?

2 A. (MR. BRYNER) Okay.

3 Q. Have you seen that document?

4 A. (MR. BRYNER) Yes.

5 Q. Was it prepared by you or under your direction
6 and control?

7 A. (MR. BRYNER) Yes.

8 Q. Does it accurately summarize the testimony
9 you'll give to the committee?

10 A. (MR. BRYNER) Yes, it does.

11 Q. All right. Thank you.

12 So, Ms. Martinez, I'll probably interrupt you a
13 couple of times to facilitate some conversation, but go
14 ahead and begin the PowerPoint.

15 A. (MS. MARTINEZ) Okay.

16 CHMN STAFFORD: Ms. Grabel?

17 MS. GRABEL: Yes.

18 CHMN STAFFORD: Quick clarification. On
19 the placemat, the cost estimates for the different
20 alternatives that's also contained -- that information is
21 also contained in the application itself, correct?

22 MS. GRABEL: It is, yes.

23 CHMN STAFFORD: All right. Thank you.

24 MS. MARTINEZ: Okay. Good afternoon, it's a
25 pleasure to be here with you all today. Adriana Martinez,

1 I'm the siting, outreach, and engagement project manager
2 and I was -- as I mentioned, I'm the lead project manager
3 for this project. And my primary role with the company
4 is to site projects for both TEP and our sister company,
5 UniSource Energy Services.

6 So a little bit about me, I have a bachelor
7 of arts in political science from the University of
8 Arizona, a master of administration from -- in public
9 management from Northern Arizona University. And I have
10 nearly ten years with the company. I've been in this
11 role for two years, but involved with siting -- involved
12 with transmission line siting projects for about five
13 now. And most of my background is in government
14 relations, and I've also done some work in the public
15 involvement realm as well.

16 MR. BRYNER: So good afternoon again. My
17 name is Clark Bryner, as I stated previously, and I've
18 testified before this committee on a number of occasions,
19 but I know we have some new faces here. My role is the
20 manager of siting, outreach, and engagement for both
21 Tucson Electric Power, as well as our sister company, UNS
22 Electric or UniSource. In that capacity, I'm responsible
23 for the siting of any new transmission lines, as well as
24 any new thermal generation facilities.

25 So a little bit about my background, I have

1 a bachelor of arts in geography and a master's of science
2 in bioregional planning, both of those from Utah State
3 University. I'm a member of the American Planning
4 Association, where I'm a certified planner, and that's a
5 certification I've had since 2011.

6 I have over 19 years of experience in the
7 electric utility industry, primarily with TEP. I've
8 worked in a variety of different roles, been in my
9 current role for the past three years, and prior to that
10 I spent about ten years in maintenance and asset
11 management, with direct oversight over the maintenance of
12 the transmission system. And prior to that, I worked as
13 an environmental and land use planner, both with the
14 company as well as in a consulting capacity working on
15 siting projects like this one and others throughout
16 Arizona and the western United States.

17 MS. MARINEZ: So some of you all are
18 familiar with the company, but for those of you who
19 aren't, TEP and our sister company, UniSource Energy
20 Services, we have transmission systems throughout New
21 Mexico and Arizona shown here. And TEP, we provide
22 electric service to the Tucson metropolitan area. And
23 that's shown here in dark gray, our service territory.
24 And today we'll be focusing on improving reliability for
25 the Marana area, which is zeroed in there with the red

1 square.

2 And you can see that the -- our service
3 territory does not take up the entire area. The Marana
4 area is also served by Trico Electric Cooperative.

5 CHMN STAFFORD: Ms. Martinez, which slide in
6 the presentation are you referring to?

7 MS. MARINEZ: Six.

8 CHMN STAFFORD: Thank you.

9 MS. MARINEZ: Uh-huh.

10 A little bit more about the company. So
11 our service territory is about 1,155 square miles. We
12 have about 455,000 customers, that's about 1.2 million
13 individuals. We have 2,200 miles of transmission, and
14 about 100 substations and switchyards.

15 So over the course of the hearing we'll
16 walk you through the process we took to arrive at our
17 preferred routes. This includes extensive public
18 outreach and a route evaluation process, which considered
19 many factors including cultural, biological, and land use
20 impacts. Our preferred routes have received support from
21 Kai Farms, a significant property owner along the
22 preferred route, the Town of Marana town manager, Pima
23 County's economic development director, and Chamber of
24 Southern Arizona, whose chief executive officer wrote
25 that the project would support "future development,

1 economic growth, and prosperity in this area."

2 BY MS. GRABEL:

3 Q. Ms. Martinez, are the letters of support that you
4 just referenced found in Exhibits TEP-18 through 21.

5 A. (MS. MARTINEZ) Yes, they are.

6 Q. And, specifically, Exhibit TEP-18 is the letter
7 of support from the Town of Marana, correct?

8 A. (MS. MARTINEZ) Yes.

9 Q. And why is that significant?

10 A. (MS. MARTINEZ) Because that's the jurisdiction
11 that the project is within.

12 Q. And Exhibit TEP-19 is a letter of support from
13 Pima County Economic Development, correct?

14 A. (MS. MARTINEZ) Correct.

15 Q. And Exhibit TEP-20 is the letter of support from
16 the Chamber of Southern Arizona, correct?

17 A. (MS. MARTINEZ) Correct.

18 Q. And TEP-21 is the letter of support from John
19 Kai of Kai Farms, correct?

20 A. (MS. MARTINEZ) Correct.

21 Q. And what's the significance of Mr. Kai's letter?

22 A. (MS. MARTINEZ) So Mr. Kai is a property owner
23 along the preferred route. He's a significant property
24 owner.

25 Q. Thank you.

1 And does he support the preferred route?

2 A. (MS. MARINEZ) Yes.

3 Q. Thank you.

4 Please continue.

5 MEMBER FONTES: Mr. Chair?

6 CHMN STAFFORD: Member Fontes.

7 MEMBER FONTES: I feel like we're going too
8 fast, if we could rewind a little bit and go back to
9 purpose, need, and justification rather than jumping into
10 the project overview, it might be useful for us to sort
11 of set the stage before we get into the --

12 MS. GRABEL: Member Fontes, we are going to
13 do that. This is just kind of a background of the
14 project overview, and then we have a slide on purpose and
15 need following.

16 MEMBER FONTES: Okay. Thank you. I'll
17 wait.

18 CHMN STAFFORD: Thank you. Please proceed.

19 MS. MARINEZ: It's actually right here.

20 So we have served the Marana area, as
21 Ms. Grabel mentioned, for 60 years. And we've served the
22 Marana area with a 46-kV sub-transmission system. And as
23 you can imagine, that system has limitations. In fact,
24 in 2023, we had to place a mobile substation just to keep
25 up with the demand today. And the demand is only

1 expected to grow more. And so we really need a long-term
2 solution, and this is what this project is aimed to
3 accomplish.

4 So there are two major benefits of this
5 project: One is additional capacity, so increasing the
6 voltage from 46-kV to 138-kV; and then also the
7 reliability component. So Ms. Grabel mentioned earlier
8 that we're proposing a loop transmission system, and
9 that's what provides that -- that reliability benefit.

10 BY MS. GRABEL:

11 Q. So, Ms. Martinez, you've used the terms "radial"
12 and "looped," for those that might not know, can you
13 explain what a radial line is and what a loop system is
14 and what are the benefits of a loop system?

15 A. (MS. MARTINEZ) Sure.

16 And I will provide a visual of this, too, here
17 shortly, but a radial line is a single line. And so if
18 there's an outage on that line that's serving our
19 customers, our customers are down and out of power until
20 we can restore that issue. And then -- or restore
21 service, I should say. But with the -- with a looped
22 transmission system, they're being provided service from
23 multiple directions, and so we can reroute power to them.
24 And so they would either notice maybe a momentary outage
25 or no outage at all.

1 Q. Thank you.

2 A. (MS. MARINEZ) Uh-huh.

3 MEMBER KRYDER: Mr. Chairman?

4 CHMN STAFFORD: Yes, Member Kryder.

5 MEMBER KRYDER: Quick question,
6 Ms. Martinez [sic], this acknowledges my ignorance, I was
7 looking at the circuit tie section and it says,
8 "Construction of the segment will complete TEP's circuit
9 and result in a radial or single transmission source to
10 the Grier Substation." And following your explanation a
11 moment ago about loops and single-circuit, why is this a
12 single-circuit, whereas the rest of it, quite
13 purposefully, was a loop?

14 MS. MARINEZ: So -- and I will -- I will
15 show a map of this here shortly, but there is
16 the -- there is the Saguaro to Marana Transmission Line
17 Project that's currently under construction. It's been
18 approved by the Arizona Corporation Commission, it's
19 actually being built now, so we'll get to see it on the
20 tour tomorrow if we take it, but this project is related
21 to that project and so the connection from the circuit
22 tie to Grier Substation will allow us to actually upgrade
23 from 46-kV to 138-kV. And I'll break this down here with
24 photos.

25 MEMBER KRYDER: And you'll be touching this

1 soon?

2 MS. MARINEZ: I will.

3 MEMBER KRYDER: Thank you so much. And I'm
4 sorry I got your name wrong.

5 MS. MARINEZ: Oh, that's all right.

6 CHMN STAFFORD: Quick follow-up,
7 Ms. Grabel, what is the CEC number of this prior project
8 that you're referring to?

9 MS. GRABEL: The Saguaro to Marana project,
10 Mr. Chairman, is Case Number 203.

11 CHMN STAFFORD: Thank you, please proceed.

12 MS. GRABEL: Thank you.

13 MEMBER FONTES: Mr. Chairman, if I could?

14 CHMN STAFFORD: Member Fontes.

15 MEMBER FONTES: We're characterizing this
16 as a systems reliability project. What specific load
17 forecast and demand peak projections were done to support
18 that analysis? Was this included in the IRP? And was
19 anything, input or any studies conducted with WestConnect
20 or the WECC, as you have done on other projects?

21 MS. MARINEZ: So I can speak to the load
22 demand question and then perhaps I'll ask Mr. Bryner to
23 fill in the rest. But we did use Marana's growth
24 projection -- or their -- their planning and zoning
25 information to project or to evaluate load projections,

1 growth projections, and we expect that to be 11 times
2 what it is today, based on those studies.

3 And then, Mr. Bryner, would you like to add
4 anything?

5 MR. BRYNER: I don't have anything directly
6 to add with respect to WestConnect and the IRP, but I'll
7 check on that on a break and see if those were included
8 in those -- in those studies.

9 MEMBER FONTES: Appreciate it. And my
10 intent is just to get it on the record to make sure we're
11 thorough here. And is the 138 sufficient? Because if
12 you're doing load forecasting and planning, we should
13 probably have a document that -- in light that there's no
14 interconnect, there's no Systems Impact Study, what is
15 the basis that we can put in the record and the dockets
16 would be useful.

17 MS. GRABEL: Mr. Chairman, may I address
18 that briefly?

19 CHMN STAFFORD: Yes. I believe that Staff
20 filed a letter in response to my letter, and I believe
21 you responded with some data requests as well, that
22 hasn't -- is that marked as an exhibit? I'm not seeing
23 it here, but I'm assuming that's to come?

24 MS. GRABEL: Yeah, we will mark that as an
25 exhibit and make it a late-filed, but you're absolutely

1 correct, Staff did do an analysis of the studies that we
2 provided them in response to a data request and did find
3 that it's necessary for the reliability of the system and
4 we will show that.

5 I don't believe that transmission projects
6 are included in the Integrated Resource Plan filings,
7 those are generation plans, so I don't think that this
8 transmission line would have been evaluated as part of an
9 IRP docket. I do know, however, that it is, we've
10 submitted Ten-Year Plans and it's evaluated as part of
11 the Commission's Biennial Transmission Assessment.

12 MEMBER FONTES: The IRP stressed
13 distributed generation, and this is a reliability project
14 so I kind of want to understand the nexus of that.

15 MR. BRYNER: Well, if I could recall, or
16 help you recollect, about a year ago when we were
17 discussing a case in midtown Tucson, it was kind of a
18 similar case, actually, so in -- in sort of the heart of
19 town -- of Tucson, that area served on a 46-kV system
20 today, similar to Marana here, and that system doesn't
21 have the capability to bring on additional resources like
22 the distributed energy loads. And so part of that
23 project by upgrading that system to more of our modern
24 standards of the 138-kV, and upgrading the distribution
25 from an older 4-kV, lower capacity system to what we use

1 typically is a 13.8-kV distribution system, that allows
2 us to integrate much more of those distributed generation
3 resources, and so some of those same benefits would apply
4 to this project as well.

5 MEMBER FONTES: And that's why I'm asking,
6 because it seems like we had the peak load forecast, we
7 had the demand projections and those things discussed in
8 that hearing, and I'm not seeing them here. So if I'm
9 missing something and you can provide additional
10 information for the record, that's where I'm coming from.

11 MR. BRYNER: We have specific numbers and I
12 know Ms. Martinez has those, if she wants to share those.

13 MEMBER FONTES: Demand projections in terms
14 of kilowatt hours.

15 CHMN STAFFORD: Right, that would be in the
16 IRP, the total anticipated load growth for TEP service
17 territory.

18 MEMBER FONTES: Yes. So while Ms. Grabel
19 is indeed correct that it's focused on generation in the
20 IRP, there's a lot of non-wires alternatives that impact
21 transmission. So I just want to get it for the record,
22 because on the Midtown we had a lot more robust data, and
23 I know Member Hill -- or, I'm sorry, Member Little is en
24 route, and I'm anticipating she's going to have a lot
25 more robust questions as the electrical engineer on the

1 panel than I am.

2 CHMN STAFFORD: Yes, the Midtown line how
3 could we ever forget that? I think that was the longest
4 hearing that this committee has ever --

5 MEMBER FONTES: The last related question
6 that I would like to get out in terms of purpose, need is
7 interconnect. Your standard is that you have to do an
8 interconnect for other projects, so I want to understand
9 what your thought process and your documentation is for
10 the interconnect for your own project here, because there
11 is an interconnect to the broader system.

12 MR. BRYNER: So let me start back with
13 your -- basically your question about why do we need
14 this. So specific numbers, when we performed an area
15 study, so part of our planning is to -- is to perform
16 these area studies, so that we can understand what is the
17 demand today, what would the demand be at some point in
18 the future, and so we conducted one of those studies in
19 2019 that identified the need for this project. And at
20 that time the use was, in this area, was 15.1 MVA, and
21 with a projected increase to 166.98, it's very specific
22 number, MVA at full buildout.

23 MEMBER FONTES: Can you cite that study for
24 us? And was it part of WestConnect or a WECC?

25 MR. BRYNER: It's included in the data

1 request that we provided -- actually, we provided it
2 under -- under protective order to Staff -- ACC Staff, so
3 it is -- has been provided, we just can't share it
4 publicly.

5 MEMBER FONTES: Understand. I'm just
6 looking for the name of the report for the record.

7 MR. BRYNER: It's -- we call it the Area --
8 Marana Area Study, I believe is the official title.

9 MS. GRABEL: And, Member Fontes, I think
10 when you see the Staff letter you'll be satisfied because
11 it recites everything that we have provided them, which
12 we will provide shortly.

13 MR. BRYNER: Now, let's see, you had
14 another question there about --

15 MEMBER FONTES: WestConnect and WECC.

16 MR. BRYNER: We need to talk with -- with
17 our transmission planning on a break about the
18 WestConnect.

19 MEMBER FONTES: Again, just looking for a
20 cite of the study, where that was included, so we've got
21 it for the record because it's reliability.

22 MR. BRYNER: Thank you.

23 MEMBER FONTES: Thank you.

24 CHMN STAFFORD: Ms. Grabel.

25 MS. GRABEL: Thank you.

1 Q. Ms. Martinez, would you like to go ahead and
2 start -- continue your presentation talking about how
3 Marana has grown since 1965, actually, when we started
4 serving it.

5 A. (MS. MARINEZ) Right. So you might notice -- so
6 we've been serving Marana since 1965, but we have a photo
7 of Marana from 1985. And the reason for that is that we
8 just couldn't find an aerial photo older than 1985, so
9 we're just using this for a point of reference really to
10 show you how much the area has changed.

11 And so to your left you'll notice Marana in
12 1985, there's just a patchwork of agricultural fields
13 mostly. And at the time in 1985, there were about 1,600
14 residents in Marana. And if you compare the photos you
15 can tell that there's a lot more development -- do you
16 have --

17 CHMN STAFFORD: And the slide -- the photo
18 of Marana from '85, that's slide number 10?

19 MS. MARINEZ: Yes.

20 CHMN STAFFORD: In Exhibit --

21 MS. GRABEL: TEP-7.

22 CHMN STAFFORD: 7, right.

23 And then 11 is the picture -- the aerial
24 photo of Marana today, correct?

25 MS. MARINEZ: I'm sorry, Mr. Chairman, we

1 were trying to get the remote to work, what was your
2 question?

3 CHMN STAFFORD: I'm just confirming for the
4 transcript that the slides that we're referring to that
5 the maps of Marana today is slide 11?

6 MS. MARINEZ: Yes, correct.

7 CHMN STAFFORD: Okay.

8 MS. MARINEZ: So if you compare it today,
9 there's quite a bit of development, residential areas
10 that Mr. Bryner's highlighting now. There's also some
11 commercial along the freeway, and so it's just really to
12 show you how the area has changed since we were first
13 providing service to them with the same system that we
14 have now.

15 BY MS. GRABEL:

16 Q. And, Ms. Marinez, is Marana known to be a
17 quickly growing area?

18 A. (MS. MARINEZ) It is.

19 Q. Is the town actively soliciting additional
20 growth?

21 A. (MS. MARINEZ) They are.

22 Q. Thank you.

23 CHMN STAFFORD: And, quickly, I think you
24 covered it on an earlier slide about parts of Marana
25 served by TEP, others by Trico?

1 MS. MARINEZ: Yes.

2 CHMN STAFFORD: Just quick ballpark the
3 percentage of Marana that TEP covers compared to Trico,
4 is it 50 percent is TEP, 50 percent Trico, is it a
5 different ratio?

6 MS. MARINEZ: I think that's something we'd
7 have to research and get back to you on, Mr. Chairman,
8 I'm not -- you think so? Mr. Bryner thinks it's 50/50.

9 CHMN STAFFORD: Close?

10 MR. BRYNER: That's a ballpark. You asked
11 for a ballpark.

12 CHMN STAFFORD: Right, okay. I just want
13 to have a picture in my head of what the difference is,
14 so that's close enough for now. Thank you.

15 BY MS. GRABEL:

16 Q. Ms. Marinez, let's go ahead and move on. I
17 think your next slide addresses Member Kryder's --

18 A. (MS. MARINEZ) Yes.

19 Q. -- earlier question?

20 A. (MS. MARINEZ) So, Member Kryder, I'm about to
21 show you some visuals to answer your question here. But
22 first I just want to get started by sharing a photo of
23 that 46-kV sub-transmission line. And you see that here
24 in yellow. I'm not having any luck with this pointer.

25 MR. BRYNER: You want to try this screen?

1 CHMN STAFFORD: We're at slide 12, correct?

2 MS. MARINEZ: Correct.

3 Here we go.

4 All right. So this is the existing 46-kV
5 sub-transmission line. It is a radial line, as we
6 mentioned. And the area's also served by two 46-kV
7 sub-transmission substations as well. So the Lateral
8 7 1/2 46-kV Substation, and then the Tangerine Mobile
9 46-kV Substation. And this is the substation I mentioned
10 earlier that we had to put in to temporarily serve the
11 area. It was really meant to be a Band-Aid solution, and
12 we really need a long-term solution to serve this area
13 now and into the future.

14 So, Member Kryder, here is that -- a
15 portion of that Saguaro to Marana transmission line.

16 BY MS. GRABEL:

17 Q. And again, Ms. Marinez, this is the line that
18 was developed in partnership between AEPCO and TEP and
19 approved in Case Number 203, correct?

20 A. (MS. MARINEZ) Yes, that's correct.

21 And so it's shown here in faded orange and
22 orange and black, and it's a portion of their line, but
23 the line -- the portion that is relevant most to this
24 project is the portion you see in black and orange. So
25 that portion is where we partnered with AEPCO. So that

1 pole line there has two circuits, and I'll have a visual
2 of this too in a second, but it's got two circuits, so
3 it's one line with an AEPCO circuit on one side and a TEP
4 circuit on the other. And so now we need to make a
5 connection to our Grier Substation site, which is that
6 pink square that you see. And so it's a half a mile
7 connection, and, you know, we've referenced circuit tie,
8 and I know Ms. Grabel mentioned this earlier, but circuit
9 tie is just where we're connecting to the existing
10 circuit and extending that over to Grier Substation.

11 And so that will be a single-circuit line to
12 complete that upgrade from 46-kV to 138-kV, so -- but
13 that -- that line alone will not address the reliability
14 piece. And so in order to provide more reliable service,
15 we're also proposing the connection from the Grier
16 Substation site, that's the pink -- the pink square, to
17 the planned -- excuse me -- the planned Grier Substation
18 site to the planned Owl Head Ranch Switchyard. And
19 that's the seven to nine double-circuit line that we're
20 proposing as part of this project and that will provide
21 the loop, and you'll see the loop there now.

22 Q. So, Ms. Martinez, to clarify what's -- what's
23 praised as an undetermined route here on slide 16 is what
24 the committee is being asked to select in this
25 proceeding; is that correct?

1 A. (MS. MARINEZ) Correct.

2 Q. So the circuit tie is the single-circuit line
3 connecting the yellow substation to -- or the yellow dot
4 to the pink dot, correct?

5 A. (MS. MARINEZ) Correct.

6 Q. And the double-circuit is the pink to the red,
7 and that's what creates the loop; is that correct?

8 CHMN STAFFORD: Member Fant?

9 MEMBER FANT: Yeah, Mr. Chair, as a point
10 of information to Mr. Fontes, AEPCO's involved in a
11 similar project, they've built the Adonis Substation
12 southwest of the Saguaro Substation, and they're in the
13 process of interconnecting a 115-kV into Adonis and a
14 second 115-kV down to their Marana Substation, and in
15 addition they're building a loop to their 85 and
16 Rattlesnake Substations to the Marana Substation, and so
17 they're trying to bolster their activity in this area,
18 too, and the system reliability and volume.

19 CHMN STAFFORD: Thank you.

20 MEMBER LITTLE: Mr. Chairman?

21 CHMN STAFFORD: Yes, Member Little.

22 MEMBER LITTLE: Why was the connection not
23 made at the -- on the line, basically, the line
24 that's -- that is being constructed that's already been
25 approved, because basically now you've got a radial from

1 a yellow dot to the pink dot, if you would call it that.

2 MS. MARINEZ: At the time we hadn't had a
3 location for our Grier -- our planned Grier Substation.

4 MR. BRYNER: If you don't mind, if I could
5 just jump in, Member Little. I think maybe I understand
6 your question a little bit differently. But as far as
7 where the line was sited and where the substation was
8 located was really a matter of where we could find land.
9 So, yeah, it would have been beautiful to have found a
10 piece of land for that substation right against the line
11 that was already sited, but unfortunately, that wasn't
12 the case.

13 We've actually -- we've been looking for
14 land for this substation for nearly 20 years, and we've
15 had multiple pieces that have fallen through, and this is
16 finally we were able to make this deal and get this land
17 into our possession, and so we're happy that it's located
18 that close to this line, so it is only a short tie.

19 MEMBER LITTLE: Answers my question. Thank
20 you.

21 MEMBER KRYDER: Mr. Chairman?

22 CHMN STAFFORD: Yes, Member Kryder.

23 MEMBER KRYDER: I thank everyone for
24 attempting to give me the information. My question
25 really was, and maybe I didn't clearly state it, this is

1 a section that's going to be a single-circuit; am I
2 correct on that, from here to here?

3 MS. MARINEZ: Yes, but maybe to answer your
4 question, there's also going to be a double-circuit there
5 too, if alternative A is selected in that area.

6 MEMBER KRYDER: Okay. Okay. Continue.

7 MEMBER LITTLE: Mr. Chairman?

8 CHMN STAFFORD: Yes, Member Little.

9 MEMBER LITTLE: I'm sorry, I was writing.
10 The circuit tie is going to be a double-circuit?

11 MS. MARINEZ: No, the circuit tie is a
12 single-circuit.

13 MEMBER LITTLE: So where are you talking
14 about the double tie, I'm sorry?

15 MS. MARINEZ: So the connection from
16 Grier -- from the planned Grier Substation to Owl Head
17 Ranch, that could go -- Clark, could you -- Mr. Bryner,
18 could you show alternative A? So alternative A could
19 potentially run parallel to that circuit tie, so there
20 could be two lines. And we'll show this in the visual
21 simulations as well.

22 MEMBER LITTLE: Thank you. I can wait.

23 MR. BRYNER: If I could just add real fast.
24 So, again, the line that we sited or we co-sited with
25 AEPCO, them being the 115-kV line, ours being the 138-kV

1 line, we only have a single-circuit there. So we need to
2 complete that circuit. Right now it's a circuit that
3 runs to nowhere. We need to build that other half mile
4 to Grier, so that we can make that a complete circuit.
5 So once we build that as a single-circuit, we've got one
6 circuit.

7 Now we need to get a second circuit or, in
8 this case, we're asking for a double-circuit line, so
9 that we can create that loop. It provides the loop for
10 reliability. The second circuit gives us additional
11 capacity to meet future needs.

12 MEMBER KRYDER: Thank you, Mr. Bryner.
13 That answers my question. You've already got one circuit
14 in place between the yellow and the pink; is that
15 correct? And --

16 MR. BRYNER: We don't today. That's one of
17 the things we want to ask you for.

18 MEMBER KRYDER: But this will be a
19 single-circuit that you're proposing for today?

20 MR. BRYNER: That is correct.

21 MEMBER LITTLE: Mr. Chairman?

22 CHMN STAFFORD: Wait one second.

23 Member Kryder.

24 MEMBER KRYDER: Okay. Why just a
25 single-circuit here, I'm still confused if -- I mean, for

1 this little section this is a half mile long, why just a
2 single-circuit rather than a double-circuit?

3 MR. BRYNER: Well, I think you're going to
4 see, as Ms. Martinez continues her testimony, some
5 pictures that show kind of what we're conceptualizing,
6 because there is a possibility that that same corridor,
7 if you will, would have a single-circuit line on it and a
8 double-circuit line on it, adjacent to one another. So
9 it would meet the needs of finishing off this first
10 circuit that's partially built and it would also meet the
11 needs of essentially that first section of the second
12 line that would need to be built.

13 MEMBER KRYDER: Okay. I'll wait and see.

14 CHMN STAFFORD: I think -- just one second,
15 Member Little, then I'll get to you -- because I'm
16 looking at the map and I want to make sure I understand
17 this correctly, so we're looking at between the circuit
18 tie and the approved Grier Substation there will be the
19 blue line which is the single-circuit?

20 MS. MARINEZ: Correct.

21 CHMN STAFFORD: And that in addition to
22 that, there will be alternative A or B which will connect
23 the approved Grier Substation to the line that also goes
24 to the circuit tie?

25 MS. MARINEZ: It will connect to either

1 alternative 1 or 2.

2 CHMN STAFFORD: Okay.

3 MS. MARINEZ: But, yes, if -- if
4 alternative A and the Grier to circuit tie line, so the
5 maroon and teal lines were approved, those -- that's what
6 Mr. Bryner was describing where we would have two
7 parallel lines in that short segment.

8 CHMN STAFFORD: And then would that -- and
9 that's a double-circuit line?

10 MS. MARINEZ: The maroon would be
11 double-circuit, yes, because it's part of that connection
12 from Grier -- from the planned Grier Substation to the --

13 CHMN STAFFORD: Owl Head Switchyard.

14 MS. MARINEZ: -- Owl Head Ranch Switchyard,
15 yes. So that one would be double-circuit, and then the
16 other would be single.

17 CHMN STAFFORD: But then the alternate B
18 would go -- the double-circuit would run from the Grier
19 Substation and then connect with the line, either routes
20 2 or 1?

21 MS. MARINEZ: Correct.

22 CHMN STAFFORD: Okay. But it wouldn't go
23 back into that substation?

24 MS. MARINEZ: Could you clarify the
25 question?

1 BY MS. GRABEL:

2 Q. I think what the Chairman is asking is if
3 alternative B was selected, it wouldn't go back into the
4 circuit tie substation?

5 CHMN STAFFORD: Yes.

6 MS. MARINEZ: Correct.

7 CHMN STAFFORD: Because that's -- the red
8 line is the one that would be the double-circuit that ran
9 from Grier to the circuit tie?

10 MS. MARINEZ: Perhaps a better way of
11 describing it might be that, okay, so Lockett to Marana
12 is where alternatives 1 and 2 start, so either the purple
13 or the maroon lines could be used to be paired with the
14 orange and blue line.

15 CHMN STAFFORD: Right. Right. I got that,
16 but, I guess, what I'm trying to get at is the maroon
17 line, alternative A, it's parallel with that Grier to
18 circuit tie route, that's going to be the single-circuit,
19 it's not -- is it going to -- it's not going to connect
20 to the -- it's not going to connect the Grier Substation
21 and the circuit tie the same way that the circuit tie
22 does, it's just going to pass through there?

23 MS. MARINEZ: Correct. It keeps going. It
24 turns west on Marana Road. So the circuit tie ends at
25 Marana Road, and then the alternative A at Marana Road it

1 turns west.

2 CHMN STAFFORD: Okay. Making sure I
3 understand, because in one scenario we have -- there's a
4 single tie between -- there's a single line between the
5 circuit tie and the Grier Substation. And in this
6 scenario you'll have, you know, three connections between
7 the two, a double-circuit and a single-circuit, that's
8 not the case, though?

9 MR. BRYNER: So if I could just jump in,
10 Chairman Stafford. So I think one thing that maybe we
11 need to really make very clear, because I think this
12 could be mis-communicated, is that yellow square, it's
13 not an actual facility. It's not a substation. It's not
14 any- -- it's really not anything. It's just a point
15 where that current circuit ends, and we need to finish
16 that circuit.

17 So the wires stop on the pole, and then
18 they go nowhere. So we need to bring wires into the
19 other side to connect into that. That's all that yellow
20 square is. So, yes, you're correct, that the
21 double-circuit is not going to tie into the same way,
22 because that circuit will be now complete once we add
23 wires from the yellow square to the pink square. And the
24 double-circuit line, the new line that goes the full
25 length between Grier and Owl Head Ranch, that could run

1 on a separate pole line adjacent to those new wires or it
2 could run on a different path, which is that alternative
3 Route B. So it depends on which route is selected.

4 CHMN STAFFORD: Okay. So make sure I'm
5 understanding here, so the circuit tie between the Grier
6 Substation and the yellow square we're talking about,
7 that's the tie in the line that's on -- we're looking at
8 on page 16 of the slide show, which is the joint
9 TEP/AEPCO line, correct?

10 MR. BRYNER: Correct.

11 CHMN STAFFORD: Okay. All right. I
12 think -- do you understand what's going on now, Members,
13 how the lines are being drawn up and how they're going to
14 connect? Do you have any further questions, Member
15 Kryder? Did you get it?

16 MEMBER KRYDER: I'm still pretty slow but
17 I'll catch on. Keep going.

18 CHMN STAFFORD: Okay. Member Little.

19 MEMBER LITTLE: Thank you, Mr. Chairman.

20 Can we have see a one-line diagram, please?

21 MEMBER FONTES: Yes, please.

22 MR. BRYNER: We can draw something up.

23 MEMBER LITTLE: I realize you'll have to
24 get back to us with it --

25 MR. BRYNER: We can definitely draw

1 something.

2 MEMBER LITTLE: -- but I would appreciate
3 it very much. Thank you.

4 And also AT the Owl Head Switchyard, I'd
5 like to see a one-line for that also, that connection.

6 CHMN STAFFORD: Thank you.

7 MEMBER KRYDER: Thank you. That should be
8 very helpful.

9 CHMN STAFFORD: Thank you, Member Kryder.
10 Ms. Grabel.

11 BY MS. GRABEL:

12 Q. Thank you.

13 Ms. Marinez, would you like to continue?

14 A. (MS. MARINEZ) Yes.

15 MR. BRYNER: Grace, could we have you flip
16 what screen is shown on the floor -- floor monitors?

17 MS. MARINEZ: Thank you.

18 So the poles will be tubular weathering
19 steel monopoles, so you'll have a single base, as you see
20 here, with the rust or corten color, and that is the TEP
21 standard. The poles will typically be about 75 to
22 90 feet tall, although they can be up to 125 feet tall
23 when crossing bridges or highways or other structures.

24 The distance between the poles will be
25 about 600 to 800 feet, that's about six to nine poles per

1 mile or structures per mile. And the right-of-way width
2 needed is about 100 feet.

3 MEMBER FONTES: Mr. Chairman?

4 CHMN STAFFORD: Yes, Member Fontes.

5 MEMBER FONTES: Is that the same as the
6 AEPCO existing structures, Ms. Martinez?

7 MS. MARINEZ: In the -- in the section that
8 I highlighted earlier that's the faded orange and black
9 line, yes, it will be double-circuit.

10 MEMBER FONTES: But the same visual?

11 MS. MARINEZ: Correct. And I was actually
12 going to --

13 MEMBER FONTES: And the rest of the pole
14 characteristics, was that -- was that -- I'm not familiar
15 with that AEPCO line, was that designed along the same
16 pole characteristics?

17 MR. BRYNER: I'll say it's fairly similar.
18 It's an AEPCO standard instead of a TEP standard, but
19 they're two --

20 MEMBER FONTES: From a visual perspective
21 from the public, it's --

22 MR. BRYNER: Visually, they look almost
23 identical. They're both weathering steel poles, roughly
24 the same height.

25 CHMN STAFFORD: And a quick clarification

1 for that -- the other project, the CEC 203, the AEPCO
2 line is 115 and the TEP is 138?

3 MS. MARINEZ: Yes, that's correct.

4 CHMN STAFFORD: Okay. Just wanted to make
5 sure I got my numbers right. Thank you.

6 MS. MARINEZ: Uh-huh.

7 So I just wanted to take a moment for
8 anyone maybe listening online that's not familiar with a
9 single- or double-circuit, so here to the right you
10 have -- to the right of this pole, are three circuits --
11 or excuse me, one circuit with three conductors or wire.
12 So you have a circuit to the right and then a circuit to
13 the left, also with three conductors or wires. And so
14 when we're referring to single- or double-circuit this is
15 a visual of that. And we also have a visual of this in
16 our key observation points as well, and those are on your
17 placemat.

18 MEMBER LITTLE: Mr. Chairman?

19 CHMN STAFFORD: Yes, Member Little.

20 MEMBER LITTLE: One more clarification
21 about the map that's on the wall here, I think that's 16.
22 The sort of beigey-brown dotted line, that is the
23 AEPCO/TEP line that is under construction now, correct?

24 MS. MARINEZ: Correct.

25 MEMBER LITTLE: And it terminates at where

1 the yellow square is?

2 MS. MARINEZ: The triangle.

3 MEMBER LITTLE: Oh, okay.

4 MS. MARINEZ: The orange triangle.

5 MEMBER LITTLE: That's what I was
6 wondering. So why is it different -- represented
7 differently here?

8 MS. MARINEZ: That is a -- is that Trico or
9 AEPCO -- Trico or AEPCO substation. And so their line
10 continues and our -- we just partnered with them on that
11 section.

12 MEMBER LITTLE: I see.

13 MS. MARINEZ: The orange and black.

14 MEMBER LITTLE: So they have a 115-kV line,
15 the beige -- the solid beige line is --

16 MS. MARINEZ: Yes.

17 MEMBER LITTLE: -- that you can use on
18 that?

19 MS. MARINEZ: Yes, so it ties their Saguaro
20 Substation, which is located -- Mr. Bryner, do you want
21 to point that out?

22 It's located, I believe, off of the map,
23 but --

24 MR. BRYNER: It's not really AEPCO's
25 Saguaro Substation, it's APS's Saguaro Substation along

1 I-10 towards the north near -- near Red Rock to then
2 AEPCO's Marana Substation on Silverbell Road. So, yeah,
3 it's single-circuit from there up to the point where our
4 piece, TEP's piece, ends.

5 MEMBER LITTLE: Thank you.

6 MS. MARINEZ: So, as you know, substations
7 do not need to be sited as part of the line siting
8 process, but the Grier Substation is an important
9 component of the project, which is why we're going to be
10 spending some time just showing a visual of this as well.

11 So the Grier Substation site will be
12 located on a 20-acre parcel. We do own the parcel and
13 the site itself, the substation itself, will sit on about
14 eight acres. There will be 12-foot masonry walls,
15 A-frame structures, and surrounding vegetation.

16 And this is an illustrative general
17 arrangement of the Owl Head Ranch Switchyard. We are
18 working with Arizona State Land to -- to secure about
19 15 acres for this facility, either north or south of the
20 Adonis Substation -- the existing Adonis Substation,
21 which is located here. And the substation and
22 switchyard, along with the transmission line, are planned
23 to be in service by 2028.

24 BY MS. GRABEL:

25 Q. Ms. Marinez, what is the difference between a

1 switchyard and a substation, from a technical
2 perspective?

3 A. (MS. MARINEZ) So substations include
4 transformation, they can step power up or down. And they
5 may connect to the distribution system. Whereas a
6 switchyard remains at the same voltage, so this
7 switchyard would remain at 138-kV.

8 Q. And from a line siting perspective does a
9 substation require the committee's approval to site?

10 A. (MS. MARINEZ) Yes.

11 Q. A substation? A substation does not require --

12 A. (Ms MARINEZ) No.

13 Q. Thank you.

14 But does a switchyard require this committee's
15 approval in order for us to construct it, if built in
16 conjunction with a transmission line?

17 A. (MS. MARINEZ) Yes, that's correct.

18 Q. And so for the purposes of this application, we
19 are not asking for the committee's approval of the Grier
20 Substation, but we are asking for the approval of the Owl
21 Head Switchyard, correct?

22 A. (MS. MARINEZ) Correct.

23 Q. And just -- you discussed kind of the location
24 of the Owl Head Ranch Switchyard, is there anywhere in
25 the record that talks about sort of the flexibility that

1 we're seeking with respect to the siting of that
2 switchyard?

3 A. (MS. MARINEZ) Yes. Exhibit A to Exhibit 15.

4 Q. And Exhibit 15 is the draft CEC application,
5 correct?

6 A. (MS. MARINEZ) Correct.

7 Q. And Exhibit A is the map and I don't know if the
8 AV team is able to pull up Exhibit A to Exhibit 15.

9 Thank you very much.

10 Ms. Marinez, you're closer to it than I am, can
11 you -- can you show where the switchyard siting area is?

12 A. (MS. MARINEZ) Okay. It's right in here.

13 Q. Thank you.

14 And will you read into the record what it is
15 we're specifically requested with respect to the
16 switchyard?

17 A. (MS. MARINEZ) So the switchyard siting area
18 extends 1,000 feet southwest of the existing transmission
19 lines and 2,000 feet northwest -- and 2,000 feet
20 southeast of the Owl Head -- of Owl Head Ranch Road.

21 Q. Thank you very much.

22 Go ahead and please continue.

23 CHMN STAFFORD: Quick follow-up. So you're
24 looking at 15 acres for the switchyard; is that correct?

25 MS. MARINEZ: Yes, but it will be -- just

1 like the Grier Substation, it will actually be about, the
2 switchyard itself will be about eight acres, but yes,
3 we're working with them to secure 15 acres.

4 CHMN STAFFORD: And then for the
5 substation, you said it's a 20-acre parcel, but about how
6 many acres would actually encompass the substation?

7 MS. MARINEZ: Eight as well.

8 CHMN STAFFORD: Okay.

9 MEMBER LITTLE: Mr. Chairman?

10 CHMN STAFFORD: Member Little.

11 MEMBER LITTLE: Is the AEPCO and TEP line
12 that currently is being constructed, is that just a tap?

13 MR. BRYNER: So let me go back to the --

14 Grace, could we go back to the map?

15 So AEPCO's 115-kV line, like we spoke
16 about, originates --

17 CHMN STAFFORD: We're back on slide 16,
18 right?

19 MR. BRYNER: Yes, we're on slide 16.

20 There we go.

21 Okay. So it originates at the APS Saguaro
22 Substation in Pinal County, and then it parallels this
23 orange line that you can see, which is depictive of a TEP
24 line. TEP had an adjacent line that we had owned and
25 operated for many years, that we have sold to AEPCO. So

1 they've re-energized that at 115-kV and it now runs
2 parallel to our facilities right here. And then, yes,
3 they're tapping off of that to run it down here and into
4 the Marana Substation, and then it will continue south.
5 Or it does continue south today.

6 MEMBER LITTLE: Okay. But what about the
7 138-kV portion of that line?

8 MR. BRYNER: So the 138-kV portion of that
9 line, so we have four circuits that run in this orange
10 right here.

11 MEMBER LITTLE: Okay.

12 MR. BRYNER: So we -- so the Owl Head Ranch
13 Switchyard will tap -- all four of those circuits will
14 land in that new switchyard, and we'll bring out the two
15 circuits that we're looking to site, and the
16 single-circuit that was already sited with Marana would
17 land in that switchyard.

18 MEMBER LITTLE: Okay. So the circuit
19 that's already been approved that's under construction
20 right now will not be energized until the Owl Head
21 Switchyard is constructed?

22 MR. BRYNER: I'll say most likely not.

23 MEMBER LITTLE: Okay.

24 MR. BRYNER: As contemplated originally, it
25 was going to be a tap.

1 MEMBER LITTLE: Okay. Thank you.

2 BY MS. GRABEL:

3 Q. Please continue, Ms. Martinez?

4 A. (MS. MARINEZ) And I'll just mention here, from a
5 street view or from the outside the switchyard will look
6 similar to the Grier Substation.

7 So before we get into the alternative routes, I
8 just want to take some time to explain this map a bit
9 more. Okay.

10 CHMN STAFFORD: We're looking at slide 20?

11 MS. MARINEZ: Yes.

12 CHMN STAFFORD: Thank you.

13 MS. MARINEZ: Uh-huh. So to the left of
14 the -- well, the alternative that is -- the western
15 alternative is the -- is Lockett Road, or aligns with
16 Lockett Road. So we have Lockett Road here. We have the
17 Pima County/Pinal County line up here north. And then
18 this dotted or dashed line here is that existing
19 transmission corridor that Mr. Bryner was just
20 discussing -- discussing. There's existing transmission
21 lines in this area here. So our alternatives 1 and 2
22 would parallel that.

23 And then to the south is Tangerine Road.
24 The Santa Cruz River is here to the southwest. And
25 then -- so alternative 1 would travel north on Lockett

1 Road, and then east on the county line, cross the CAP.
2 So this is the -- this is Bureau of Reclamation here in
3 yellow. And then the blue dashed line here right next to
4 it is the Central Arizona Project canal. So it would
5 cross that and then connect along that existing
6 transmission corridor here to Owl Head Ranch Road.

7 And I forgot to mention the -- so I just
8 want to back up a bit -- but the blue areas here are
9 state land. Again, the peach and the brown are planned
10 and existing developments. And then the white is
11 private -- this is private land. I think I covered most
12 things. This is Bureau of Rec in the yellow, and again,
13 this is the CAP here and then Interstate 10 is here in
14 the middle.

15 BY MS. GRABEL:

16 Q. And, Ms. Martinez, what is the kind of circular
17 black line? What does that represent?

18 A. (MS. MARINEZ) That is the CEC study area.

19 Q. What does that mean?

20 A. (MS. MARINEZ) That's -- so it's a mile away from
21 the alternatives, the boundaries of the alternatives, and
22 that's where we did our study so that we could encompass,
23 get a full view of cultural and biological resources.

24 Q. Thank you.

25 A. (MS. MARINEZ) Uh-huh.

1 So again -- so going back to alternative 1, that
2 can be paired with either alternatives A or B, so those
3 are here. This is agricultural fields right in here
4 where the circuit tie is, and you're about to see all of
5 this in the visual simulations. And then alternative B
6 is more in the proximity of residential areas, you'll see
7 some brown areas there. And this travels down Grier to
8 Lockett.

9 So, again, A or B can be paired with 1 or 2,
10 which are these lines here. And then alternative 2 also
11 travels up Lockett to Hardin. And then east on Hardin,
12 crosses the frontage road, and then parallels an
13 existing -- an existing gas line corridor. And then it
14 shares a common path with alternative 1 here, and then
15 travels southeast to the Owl Head Ranch Switchyard.

16 And then alternative 3, so I do want to point
17 out again, so you'll remember from earlier that the
18 existing 46-kV sub-transmission line, and that is already
19 there. That would be retired, and this line would be put
20 in its place. And so that's in this area right here that
21 I'm highlighting. So the new line would follow most of
22 that path to connect, and then connect north on Postvale
23 and then come in from the south. And so I'll break this
24 down again as we -- we're going to break this into
25 pieces.

1 MEMBER LITTLE: Mr. Chairman?

2 CHMN STAFFORD: Yes, Member Little.

3 MEMBER LITTLE: If alternative 1 or 2 is
4 chosen, as opposed to 3, will the 46-kV line still come
5 down, ultimately?

6 MR. BRYNER: Yeah, our long-term plans are
7 to replace and retire the 46-kV system and have it
8 replaced with a 138-kV system, so yes.

9 MEMBER LITTLE: Thank you.

10 MS. MARINEZ: Okay. So these are -- this
11 is -- these are alternative or visual simulations that
12 we're going to be showing for alternative A and the Grier
13 Substation to circuit tie line. So that's the teal line
14 and the maroon line --

15 MEMBER DiCICCIO: Mr. Chairman, really
16 quick?

17 CHMN STAFFORD: Yes, Member DiCiccio.

18 MEMBER DiCICCIO: Sorry, that was a really
19 good question. And I just want to make sure I heard it
20 correctly. The 46-kV lines will not be replaced at
21 that -- on my -- on options 1 and 2, correct?

22 Did I hear that correctly or not?

23 MR. BRYNER: I may have misspoke, Member
24 DiCiccio. It doesn't matter which alternative were
25 select -- was selected, we would plan to replace the

1 46-kV system in this area. It might take us a few years
2 to transfer things over, but we want to retire that 46-kV
3 system.

4 MEMBER LITTLE: Mr. Chairman?

5 MEMBER DiCICCIO: Got it. And you didn't
6 misspeak, I probably just didn't hear you correctly.

7 Go ahead.

8 CHMN STAFFORD: Thank you.

9 Member Little.

10 MEMBER LITTLE: So from a -- from the
11 residents' perspective who live in that area, they won't
12 see -- I mean, the poles and wires will be gone,
13 ultimately, at some point in time, correct?

14 MR. BRYNER: So there are other wires on
15 those lines, so you'll see in some of the simulations
16 that we have, there's a 46-kV with distribution
17 underbuild and communication underbuild on that, so to
18 say everything would go away would be incorrect.

19 MEMBER LITTLE: Oh, okay. All right.
20 Thank you.

21 MS. MARINEZ: Okay, so --

22 CHMN STAFFORD: Ms. Marinez, please
23 continue.

24 MS. MARINEZ: Thank you.

25 So we have the -- we share a common path,

1 as we've discussed, we're about to show a visual of that,
2 but this is Grier Road here to the south, and then Marana
3 Road here to the north. And then alternative A would
4 turn west on Marana Road. And, again, alternative A can
5 be paired with either alternative 1 or 2.

6 This is Key Observation Point 2. So this
7 is looking south from Marana Road, and you can see -- so
8 I just -- right in the middle what you're looking
9 straight, probably most closest to you is the ditch there
10 that runs along this stretch from Grier to Marana Road,
11 and it is along agricultural fields, and there's a dirt
12 road there. And you want to reference that palm tree --
13 that palm tree shows you where our future planned Grier
14 Substation site is.

15 And so in the simulation you can see the
16 single-circuit Grier to circuit tie line, so that's got
17 three wires on it, if you'll notice, and then to the
18 right of that is the double-circuit alternative A line.
19 And these can be placed on either side of the ditch, it's
20 just a corridor and it's just a visual for you all to see
21 what it might look like if the two alternatives were
22 selected.

23 CHMN STAFFORD: What is the function of
24 that ditch? Is it like an irrigation ditch or is it --

25 MR. BRYNER: Yeah, irrigation ditch.

1 CHMN STAFFORD: Okay. Is it -- has it been
2 used or is it kind of redundant at this point?

3 MR. BRYNER: I'd have to speculate, but I'm
4 going to say it's used. Those are active fields.

5 CHMN STAFFORD: Okay. Thank you.

6 MS. GRABEL: Chairman Stafford, Ms. Hill
7 and I almost fell in them yesterday, I'll tell you they
8 are used.

9 CHMN STAFFORD: Okay. Thank you.

10 MS. MARINEZ: Okay. And this is from the
11 opposite direction, so this is from Grier Road looking
12 north. And so you'll see the palm tree now up close, and
13 that's the Grier Substation site in the simulated
14 condition. You see the double-circuit line right next to
15 it.

16 CHMN STAFFORD: And you're talking about
17 KOP-8 on slide 23?

18 MS. MARINEZ: Yes. Thank you,
19 Mr. Chairman.

20 And then to the right of that is the
21 single-circuit line that would -- it would travel due
22 north about half a mile to Marana Road, which you can see
23 in the distance.

24 Mr. Bryner, if you want to --

25 That's Marana Road right there. So it's a

1 pretty short stretch where it would connect to that
2 Saguaro to Marana transmission line that's currently
3 under construction.

4 So, now, alternative 1. So alternative 1
5 would travel north from Lockett to Marana Road, it would
6 be combined with either alternative A or B, and it would
7 travel north on Lockett Road through mostly agricultural
8 areas here. It would pass the Arizona Veterans Memorial
9 Cemetery, and then it would travel -- continue north to
10 the county line. And then here it would be on state land
11 to cross the Central Arizona Project canal and Bureau of
12 Reclamation land, and then it would run parallel to an
13 existing transmission line that we have here in this area
14 in a corridor that's already in place now, it would
15 travel southeast to the switchyard.

16 And I do want to just mention -- because
17 earlier I mentioned that we got a letter of support from
18 Kai Farms, and they are a property owner. So they own
19 property right in this area, which I realize I -- if you
20 see my pointer -- I'm not sure if the folks online can
21 see it -- but I'm pointing it out now. So -- and they're
22 supportive of this route.

23 CHMN STAFFORD: So that's the northwest
24 corner of where -- of the route, so it's -- it would be
25 east of the line in the first alternative, east -- it

1 would be east and south of the one where it makes the
2 bend heading north to head east? That's the general area
3 you're highlighting?

4 MS. MARINEZ: Generally.

5 CHMN STAFFORD: Okay.

6 MS. GRABEL: Mr. Chair, just for the record
7 it's actually to the west and to the east of the line,
8 there's a -- I'm sorry -- north and south, I'm sorry, I
9 got my bearings wrong.

10 MS. MARINEZ: It's to the east and west of
11 Lockett, generally. And so Lockett's in the middle of
12 that property that they own. And then it's north of
13 Hardin to Hardin Road. The street names can be a bit
14 confusing because they -- so that's also Hardin Road up
15 there where Mr. Bryner is pointing.

16 CHMN STAFFORD: Really?

17 MS. MARINEZ: Yes. So it's in the area
18 Mr. Bryner is highlighting now.

19 CHMN STAFFORD: So there's a Hardin Road to
20 the north and then about a mile south there's another
21 Hardin Road?

22 MS. MARINEZ: Yes. And then the two
23 southern Hardin roads do not align. One's further north
24 than the other.

25 MS. HILL: And one doesn't have a street

1 name on it, and they're not labeled.

2 MS. MARINEZ: That's true, yeah. So --

3 MEMBER LITTLE: Mr. Chairman?

4 CHMN STAFFORD: Yes, Member Little.

5 MEMBER LITTLE: To clarify, the owner of
6 that farm had wrote a letter of support for alternative
7 1?

8 MS. MARINEZ: They wrote a letter of
9 support for the project, but they have verbally stated
10 support for the alternative -- the preferred route.

11 MEMBER LITTLE: The preferred route.

12 MS. MARINEZ: Yes.

13 MEMBER LITTLE: Okay. Thank you.

14 CHMN STAFFORD: Ms. Grabel.

15 BY MS. GRABEL:

16 Q. Please continue, Ms. Marinez.

17 A. (MS. MARINEZ) Okay. So this is a simulation
18 from the Arizona Veterans Memorial Cemetery. So you can
19 see the transmission line off in the distance there.

20 CHMN STAFFORD: Which slide are you
21 referring to?

22 MS. MARINEZ: This is slide 27, Key
23 Observation Point 6.

24 MEMBER LITTLE: Mr. Chairman?

25 CHMN STAFFORD: Yes, Member Little.

1 MEMBER LITTLE: In what we see in the
2 existing condition, that line goes away, that's 46-kV?

3 MS. MARINEZ: So where possible, if along
4 the same corridor, we -- we will either reroute or
5 underground distribution.

6 MEMBER LITTLE: Oh, that's a distribution?

7 MS. MARINEZ: That's a distribution, yes.

8 MEMBER LITTLE: Okay. Thank you.

9 MS. MARINEZ: Uh-huh.

10 So now we're on Key Observation Point 1.
11 This is slide 26. And so to the point I just made that
12 it's currently -- there's currently distribution now on
13 Luckett Road, and we would either reroute or underground
14 the line. And you see the simulated condition to your --
15 to your right.

16 Okay. Key Observation Point 16, this is on
17 state land. This is actually a common KOP to alternative
18 1 and 2. And so you can see the new line to your right
19 there, so that's the double-circuit line, that's
20 alternative 1 or 2. And then it would join or it would
21 follow the existing utility corridor to the southeast to
22 Owl Head Ranch Road.

23 CHMN STAFFORD: And that's slide 25 we're
24 looking at?

25 MS. MARINEZ: Yes.

1 BY MS. GRABEL:

2 Q. And, Ms. Martinez, before you continue, if you
3 could turn to Exhibit TEP-8, which is the virtual tour of
4 the project, correct?

5 A. (MS. MARINEZ) Yes.

6 Q. Was the tour prepared by you or under your
7 direction and control?

8 A. (MS. MARINEZ) Yes.

9 Q. Could you please describe how the tour was
10 prepared?

11 A. (MS. MARINEZ) So this fly-through animation is a
12 representation of what the proposed project might look
13 like based on preliminary engineering. The fly-through
14 uses 3-D models placed into a simulated environment using
15 publicly available aerial image -- imagery as a base.
16 The video was finalized using editing software to add
17 legends and callouts for reference.

18 Q. Thank you. Go ahead and begin the tour. And
19 this is again just the segments of alternative 1A and the
20 circuit ties; is that correct?

21 A. (MS. MARINEZ) Yes, that's correct.

22 Q. Go ahead.

23 A. (MS. MARINEZ) Okay. So we're going to begin the
24 virtual tour at the Grier -- at the planned Grier
25 Substation site. You can see the circuit tie line there

1 in teal and then alternative A in maroon. This is Key
2 Observation Point 8. And you see the Grier Substation to
3 your left, the double-circuit line adjacent to that. And
4 then to the east is the single-circuit line that would
5 end at Marana Road.

6 So we're already approaching -- well, you'll see
7 Marana Road here coming up ahead, and that pole to your
8 right on Marana Road, that's the circuit tie where --
9 close to where it says Marana Road right now, that's
10 where it would tie into that line that is under
11 construction, the AEPCO line. And then --

12 CHMN STAFFORD: Pause it real quick.

13 All right. So looking at this, can you
14 point to the new line and then point to the old line?

15 MS. MARINEZ: Yes.

16 Can I use this one?

17 MR. BRYNER: Yeah, just describe it,
18 because they can't see it.

19 MS. MARINEZ: So this line that's closest
20 to us is the alternative A, and so it continues from this
21 dirt road. This is Marana Road here, it turns left or
22 west on Marana Road. And then over here to -- in the
23 distance or across the street, is that Saguaro to Marana
24 transmission line project that's under construction.

25 So for this segment, it's about half a mile

1 from Lockett Road to this dirt road. The lines would be
2 on either side of the road.

3 CHMN STAFFORD: Okay. So the one on the
4 left, which is the what side of the road?

5 MS. MARINEZ: South. You mean this pole
6 here?

7 CHMN STAFFORD: Yes.

8 MS. MARINEZ: Yeah, that's south.

9 CHMN STAFFORD: Yeah, that's the
10 double-circuit line that we're talking about for today,
11 right?

12 MS. MARINEZ: Correct. And this line will
13 show you -- this is our -- this brown should be maroon or
14 it's maroon in your placemat, but this brown line here is
15 the project.

16 CHMN STAFFORD: And the one across the
17 Street is the CEC 203 line, correct?

18 MS. MARINEZ: Correct.

19 CHMN STAFFORD: Okay.

20 MS. MARINEZ: So just for this half mile
21 from this dirt road to Lockett Road will they be adjacent
22 to one another --

23 CHMN STAFFORD: Okay. Thank you.

24 MS. MARINEZ: -- with alternative A.

25 CHMN STAFFORD: All right. Please proceed.

1 MS. MARINEZ: And while we're paused here,
2 I do want to point out these two structures, they're no
3 longer there. Mr. Bryner and I went out in the field
4 recently and they're no longer standing. And you might
5 notice some of these -- these just represent homes, but
6 they're not actual photos of them, in case, you know,
7 they look strange to you, that's -- that's why.

8 CHMN STAFFORD: I think we'll probably get
9 a better picture of it when we go out and look at it with
10 our own eyes.

11 MS. MARINEZ: Definitely, yeah.

12 So at this intersection here where you see
13 the orange and purple line, the Saguaro to Marana
14 transmission line project, that continues in the opposite
15 direction and ours turns to the right or to the north.
16 And now we join alternative 1 to travel north on Lockett
17 Road, so we're right in here.

18 CHMN STAFFORD: Pause it a second.

19 The simulation's showing the line to the
20 east of Lockett -- Lockett Road, but I'm assuming the
21 corridor you're asking for is wide enough to accommodate
22 the line on either side of the road?

23 MS. MARINEZ: Yes.

24 MEMBER KRYDER: Mr. Chairman?

25 CHMN STAFFORD: Member Kryder.

1 MEMBER KRYDER: Also on this, would the
2 corridor be on -- whose road is this road that we're
3 looking at, please? Is this a county road or a state
4 road or --

5 MS. MARINEZ: We believe it's the town, but
6 we can double-check on that.

7 MEMBER KRYDER: A town road, okay. So
8 would your corridor -- or would your structures be on
9 town property or whoever owns this road, would it be on
10 their property or is it on the ag property on the right?

11 MR. BRYNER: And, Member Kryder, so as
12 Chairman Stafford pointed out, we're requesting a
13 300-foot-wide corridor. And so that would allow us the
14 flexibility of going on either side of the road within
15 road right-of-way, or on either side of the road in
16 private easement. So we don't have that defined just
17 yet. There is advantages to both and I guess you could
18 say disadvantages to both.

19 MEMBER KRYDER: And the -- you have the
20 easements or you're -- not until we find the -- which
21 line we're going to use, is that correct, or which
22 alternative we're going to use?

23 MR. BRYNER: Yeah, so Member Kryder, our
24 typical practice is to seek the CEC for an alignment
25 before we expend the energy to go out and -- both energy

1 and expense to go out and secure the right-of-way. So
2 once we have a route, then we'll go in and get the
3 easements or the land rights.

4 MEMBER KRYDER: Thank you, Mr. Bryner. I'm
5 finished.

6 CHMN STAFFORD: Ms. Grabel.

7 MS. GRABEL: Thank you.

8 Q. Let's go ahead and continue with the virtual
9 tour.

10 A. (MS. MARINEZ) So we're continuing north on
11 Luckett Road now. You'll note the agricultural fields
12 were also -- you can't see it here, but you'll be able to
13 see it on the tour, adjacent to the road is the Cortaro
14 Marana Irrigation District canal, and so we're traveling
15 along that as well.

16 MEMBER KRYDER: Mr. Chairman, could we --

17 CHMN STAFFORD: Yes.

18 MEMBER KRYDER: -- pause there for a
19 moment?

20 CHMN STAFFORD: Yes, Member Kryder.

21 MEMBER KRYDER: Is this part of the land
22 owned by the major landowner, Mr. Kai; is that right?

23 MS. MARINEZ: Mr. Kai, yes.

24 MEMBER KRYDER: What's his name?

25 MS. MARINEZ: John Kai.

1 MEMBER KRYDER: Kai. Okay. And he owns
2 the land on both sides?

3 MS. MARINEZ: Yes, that's correct.

4 MEMBER KRYDER: Okay. Thank you very much.
5 Go ahead.

6 MS. MARINEZ: And so you can see the Marana
7 veterans -- or let me get the name correct -- the Arizona
8 Veterans Memorial Cemetery here.

9 MEMBER KRYDER: Mr. Chairman?

10 CHMN STAFFORD: Yes, Member Kryder.
11 Could you pause this, please?

12 MEMBER KRYDER: The cemetery is a
13 relatively new entity; is that correct?

14 MS. MARINEZ: Yes.

15 MEMBER KRYDER: And I didn't see, maybe I
16 missed it, did you get a letter of support from the
17 management there or any -- any kind of a response to
18 potentially passing in front of them or anything?

19 MS. MARINEZ: Not from the cemetery, no.
20 No, we don't.

21 MEMBER KRYDER: Nothing. Have you
22 approached them?

23 MS. MARINEZ: They would have been sent the
24 mailers for the project.

25 MEMBER KRYDER: Okay. To the best of your

1 knowledge, you don't have any positive or negative
2 comment from them, you just -- they're zero, okay, at
3 this point?

4 MS. MARINEZ: That's correct.

5 MEMBER KRYDER: Okay. Thank you so much.
6 That's a big deal and I just wanted to make sure if they
7 were on board or if they were opposed and so on. Thank
8 you.

9 MS. MARINEZ: Thank you.

10 CHMN STAFFORD: I have a quick question
11 there. It shows that you're jogging across the road,
12 it's Lockett Road, is that -- what's this crossroads here
13 that we're looking at?

14 MS. MARINEZ: We're on Lockett Road. Let
15 me see if I can find the -- so that's also Hardin Road.
16 But there are three Hardin roads in the area, so this is
17 the northern Hardin Road.

18 CHMN STAFFORD: Okay. And then so I'm
19 trying to figure out what's going on with this road here.
20 Lockett, like, it turns off, is that the cemetery it
21 turns off into, and then it kind of splits and goes
22 further, continues north?

23 MS. MARINEZ: It curves -- it actually
24 curves to the east north of the cemetery.

25 CHMN STAFFORD: And what is that road that

1 you're pointing to north of the cemetery?

2 MS. MARINEZ: I believe it's still Lockett
3 Road.

4 CHMN STAFFORD: Okay. So Lockett takes a
5 turn there?

6 MS. MARINEZ: I believe so.

7 CHMN STAFFORD: So to the left as it
8 continues north that's still Lockett Road?

9 MS. MARINEZ: This here?

10 CHMN STAFFORD: No, no. Heading north
11 along the route.

12 MS. MARINEZ: This is not a road, it's --
13 well, it's a dirt road I think that they use to manage
14 the agricultural fields here.

15 CHMN STAFFORD: Okay. That's not Lockett
16 Road, then?

17 MS. MARINEZ: No. Lockett Road would turn
18 to the east.

19 MR. BRYNER: And the pavement ends where it
20 appears to end right there on the north end of the
21 cemetery.

22 CHMN STAFFORD: Right. And looking at the
23 placemat, the number one, is that where we are here?

24 MS. MARINEZ: Yes, we're about to show Key
25 Observation Point 1.

1 CHMN STAFFORD: Okay. So that's -- that's
2 where Lockett Road turns east, then, correct?

3 MS. MARINEZ: I believe so. I think I'd
4 like to reference a map, perhaps at a break, but --

5 CHMN STAFFORD: Okay. I'm just trying to
6 get oriented about what we're looking at this tour
7 compared to the map on the --

8 MS. MARINEZ: For the in-person tour, we
9 will not continue north, we will head back south. Let me
10 see here.

11 CHMN STAFFORD: Right. Because you're
12 saying that's just a dirt road that goes to serve the
13 agricultural area there, it's not a main paved road?

14 MS. GRABEL: That's correct, Mr. Chairman.

15 CHMN STAFFORD: Okay. Well, it looks like
16 your client's going to have a little discussion about
17 what the maps do. We've been going for about 90 minutes,
18 I'm sure the court reporter is due for a break, so I
19 think we'll take an approximately 15-minute recess.

20 We stand in recess.

21 (Recessed from 2:31 p.m. until 2:50 p.m.)

22 CHMN STAFFORD: Let's go back on the
23 record.

24 Ms. Grabel, I believe we were about to
25 continue with a virtual tour.

1 MS. GRABEL: Actually, before we do that,
2 Mr. Chairman, can we walk through a couple of the
3 exhibits and answer Mr. -- Member Fontes's questions
4 about reliability and Member Little's questions about the
5 one-line diagram?

6 CHMN STAFFORD: By all means, please
7 proceed.

8 MS. GRABEL: Thank you. So Mr. Ancharski
9 right now is handing out Exhibits TEP-22, 23, and 24.
10 Exhibit TEP-22 is a letter from the Arizona Game & Fish
11 Department that we'll address later with Mr. Bryner's
12 testimony. Exhibit TEP-23 is the letter from the Arizona
13 Corporation Commission Staff that responds to your
14 letter, Mr. Chairman, and talks about the studies that
15 they analyzed and their conclusions regarding the
16 reliability of this project and at the appropriate time
17 I'm going to ask Mr. Bryner to talk about that. And TEP
18 Exhibit 24 is a one-line diagram that was just created at
19 the request of Member Little, and I'll ask Mr. Bryner to
20 talk about that after he addresses TEP-23 and related
21 topics.

22 Q. So, Mr. Bryner, do you have TEP-23 in front of
23 you?

24 A. (MR. BRYNER) Yes, I do.

25 Q. Okay. Would you please use Exhibit TEP-23 to

1 address Member Fontes's questions to you earlier about
2 the studies that were done to show the impact of this
3 project on reliability of the electric grid.

4 A. (MR. BRYNER) Sure.

5 So the TEP Exhibit 23, again, is that letter
6 written by Staff of the Corporation Commission with
7 respect to the reliability of this project. They
8 acknowledge the fact that this has been -- this project
9 has been included in our 10-year transmission plans for a
10 number of years. In fact, it's been included in our
11 10-year transmission plans since 2008.

12 It has been included in all of the regional
13 planning forms, including WestConnect, and as well as the
14 BTAs since that time -- well, WestConnect since it began,
15 and the BTAs since it was identified. And the conclusion
16 of this -- of Staff's report was, and I'll just quote
17 this, it's in the conclusion section of it, but it states
18 that "Based on Staff's review of the application, the
19 applicant's responses to the Staff-issued data request,
20 as well as the TPL planning assessment, Staff believes
21 the proposed project could improve the reliability and
22 safety of the grid and the delivery of power in Arizona."

23 Q. Thank you, Mr. Bryner.

24 Member Fontes, do you have any further questions
25 about the reliability?

1 MEMBER FONTES: I do. Two questions: One,
2 were non-wires alternatives looked at? Namely, energy
3 storage, for the record. And then, two, on the AEPCO
4 line, are you guys going to swap circuits and have
5 systems reliability benefits that you need to discuss
6 here for us?

7 MR. BRYNER: All right. So to answer your
8 first question, I am not aware of any non-wires
9 alternatives that were looked at for the -- as a solution
10 for this project. To your second question about AEPCO
11 and TEP swapping circuits, so AEPCO operates their line,
12 their system, and we'll operate our lines and our
13 systems. So as you can -- can I jump over to this
14 one-line diagram and just talk about --

15 MEMBER FONTES: Please.

16 BY MS. GRABEL:

17 Q. Well, I guess before you do, how was this
18 one-line diagram prepared, Mr. Bryner?

19 A. (MR. BRYNER) With a crayon and paper.

20 No. It was prepared by Gary Trent, our manager
21 of transmission planning, over the break he drew it up
22 real quick.

23 Q. And for the benefit of those of us that are not
24 electrical engineers, what is a one-line diagram?

25 A. (MR. BRYNER) It's -- I would call it a simple

1 concept or schematic drawing showing the basic parts of
2 how the system is connected.

3 Q. Thank you.

4 Please go ahead and discuss whatever you were
5 going to say.

6 A. (MR. BRYNER) I know you have this exhibit in
7 front of you, but it is in black and white or gray scale,
8 whereas what we're looking at on the screen is in color,
9 so I'll -- I'm going to refer to some colors, so
10 hopefully that works out okay.

11 So looking at the one line on the screen --
12 oops, sorry -- so I'm looking at the right-hand screen
13 with my -- with my laser pointer, so we spoke about the
14 existing transmission line that runs in a northwesterly,
15 southeasterly direction, that's -- TEP, we call that our
16 quad circuit, it's simply one line that has four
17 different circuits all located on it, so that's the
18 circuit that we're looking to be the source for really
19 both of our lines. Both of the lines that are part of
20 this project. So, as illustrated on here, we would plan
21 to initially tap into one of those circuits and drop that
22 into Owl Head Ranch, and so -- and then one circuit
23 would -- would tie into what is currently being built
24 with AEPCO, and run south to Grier. And the other
25 circuit would come out of Owl Head and run whichever

1 direction we go and run into Grier in another direction.

2 So that would provide us with reliability and
3 redundancy regardless of being connected with -- with
4 AEPCO's system, because now we have two circuits coming
5 from different sources, one coming from TEP's Tortolita
6 Substation, which ties into the overall regional grid,
7 it's a major import point for us; and one that ties south
8 into TEP's north loop substation, which is -- well, it's
9 also a major import substation into the Tucson metro area
10 from the north, whereas AEPCO's system is completely
11 independent, it runs in the same general vicinity, but
12 there is no electrical tie at this location, and we don't
13 have anything planned. There is no circuit swapping
14 plan. Is that a technical term?

15 Did that -- did that answer your question,
16 Member Fontes?

17 MEMBER FONTES: I was just seeing if you
18 planned for systems reliability and redundancy, but the
19 swapping of circuits, yes, you answered my question.

20 MR. BRYNER: There are multiple places
21 where we interconnect, so, for instance, we're currently
22 building a line with WAPA, a 230-kV line, that does tie
23 into AEPCO's system and it goes up to Saguaro, and so
24 there are multiple places where the systems tie together,
25 but not specific to this project.

1 CHMN STAFFORD: Member Fant, you had a
2 question?

3 MEMBER FANT: Thank you, sir.

4 I wanted to disclose in my personal life
5 that I'm friends with John Kai and I'm not working on any
6 projects with John, but I wanted to disclose that fact.
7 I don't think it will affect my decisionmaking, but
8 nonetheless I wanted to disclose that to Tucson Electric.
9 That's all I have to say.

10 CHMN STAFFORD: Thank you.

11 Any comment, Ms. Grabel?

12 MS. GRABEL: No, we have no concerns.

13 CHMN STAFFORD: All right. Thank you.

14 Please proceed, Mr. Bryner.

15 MR. BRYNER: Yeah. Just one other thing
16 just to mention, Member Fontes, is we do have voltage
17 discrepancies between AEPCO's system and TEP's system,
18 they operate a 115 -- well, 115/230, we're operating 138.
19 I did say we are bringing in some 230, so we'll have 230
20 in the near future. But the Saguaro to Adonis line is a
21 different voltage, so short of transformation we wouldn't
22 be able to do that swapping.

23 I think there's one other thing that I
24 wanted to bring up with respect to one of your comments,
25 Member Fontes, and that was on the IRP. We did actually

1 look in -- we actually do have a transmission section in
2 the IRP. It's really looking more at import capabilities
3 for larger generation, so it does not directly address
4 this line. This line could potentially bring in some
5 more local utility scale generation, but it's not
6 addressed directly in the IRP.

7 MEMBER FONTES: I appreciate your
8 follow-up, it really addresses the broader purpose and
9 need in terms of the reliability on the bulk transmission
10 system that was lacking in the application, so much
11 appreciated.

12 MR. BRYNER: Thank you for the question.

13 CHMN STAFFORD: Thank you.

14 Ms. Grabel, one quick comment, if you could
15 get me a color copy of Exhibit 24 for the court reporter
16 and I for our records sometime before the end of the
17 hearing would be fine.

18 MS. GRABEL: We can do that, Mr. Chairman.

19 CHMN STAFFORD: Thank you.

20 Please proceed.

21 MS. GRABEL: Thank you.

22 Q. I think we'll turn back to Ms. Martinez, and
23 where we left off on the virtual tour. And I know,
24 Ms. Martinez, you were answering questions from the
25 Chairman kind of to orient us as to the location of the

1 preferred route relative to the roads in the area. Were
2 you able to study a map and kind of identify the roads
3 and where the line runs?

4 A. (MS. MARINEZ) We were. So we believe that
5 Luckett Road actually does continue around this path.
6 There's this dirt road here that I'm highlighting.

7 CHMN STAFFORD: Can you point -- I think
8 you have to point it -- there you go -- because there's a
9 screen in front of you, we couldn't see where you were
10 pointing at. There we go.

11 MS. MARINEZ: So Luckett Road actually
12 deviates northwest, we believe, and it turns into a dirt
13 road here at this section here. So this is -- this is
14 Hardin Road running east and west. And so our line would
15 actually continue -- so here this is about where it is if
16 you're seeing my pointer up on the map, this is about
17 where we're at, but the line continues due north to the
18 county line, and Luckett Road deviates, we believe, to
19 the Northwest.

20 Q. And, Ms. Marinez, you keep saying "we believe,"
21 but we studied a map and that's what the map showed,
22 correct?

23 A. (MS. MARINEZ) We did. We did.

24 Q. Thank you.

25 And do you have any further comments about the

1 Veterans Memorial Cemetery, I believe that's what it's
2 called, in response to Mr. Kryder's concern about notice?

3 A. (MS. MARINEZ) Yes. I did want to follow up. So
4 while we didn't have any direct conversations with the
5 cemetery, we did notice them with every round of our
6 outreach, so they received a mailer for each of the three
7 open house meetings. They also received one for this
8 hearing. And in addition to that, we also have a sign
9 located right in here that we've posted for this hearing,
10 and we also posted it prior to our two in-person open
11 house meetings, so it was posted right in this location,
12 so they were -- they had notice of the proceedings.

13 MEMBER KRYDER: Thank you.

14 MS. GRABEL: Any further questions before
15 we continue with the tour?

16 CHMN STAFFORD: Members?

17 (No response.)

18 CHMN STAFFORD: Seeing none, please
19 proceed.

20 BY MS. GRABEL:

21 Q. Go ahead, Ms. Marinez.

22 A. (MS. MARINEZ) So we're about -- we're viewing
23 Key Observation Point 1 now again. And you'll notice the
24 line in the flyover is to the south of Luckett Road, and
25 then here in the visual simulation it's to the north.

1 And again, just to reiterate, we don't know what side of
2 the road the line will be on.

3 CHMN STAFFORD: You mean east or west?

4 MS. MARINEZ: Yes. East or west -- no --
5 yes, east or west.

6 CHMN STAFFORD: So -- because Luckett Road
7 runs north and south, right?

8 MS. MARINEZ: Yes, it does. I got flipped
9 around.

10 CHMN STAFFORD: When you made that turn it
11 kind of threw me for a second too.

12 MS. MARINEZ: So we're heading north,
13 you'll see the dirt road curves to the northwest and our
14 line is continuing north to the county line, so it's --

15 MEMBER KRYDER: Mr. Chairman?

16 CHMN STAFFORD: Yes, Member Kryder.

17 MEMBER KRYDER: Question, please. What --
18 what crops have been growing here?

19 MS. MARINEZ: So I did a little bit of
20 research, so there's -- and we've seen certain crops, but
21 there's corn, cotton, barley, wheat. Am I missing
22 anything?

23 MEMBER KRYDER: What season of the year
24 were these pictures taken?

25 MS. MARINEZ: This was -- I'm not sure

1 about the video, but we can find out.

2 MEMBER KRYDER: They look like winter. I
3 don't see any crops at all in the field. Not that it's
4 critical to the lines, but I was just interested from the
5 ag perspective of what are we passing through here?

6 MS. MARINEZ: Could you clarify is your
7 question related to the visual simulations or to the
8 video?

9 MEMBER KRYDER: To whatever you're showing
10 now.

11 MS. MARINEZ: The video.

12 MEMBER KRYDER: Okay.

13 (Discussion off the record.)

14 MEMBER KRYDER: It's not critical. Go
15 ahead. Go ahead.

16 MS. MARINEZ: We're not sure, but we can
17 look into that.

18 CHMN STAFFORD: Thank you.

19 Please proceed.

20 MS. MARINEZ: So now the line turns east at
21 the county line. This is Interstate 10 here.

22 CHMN STAFFORD: I have a quick question,
23 you said it's going to run along the county line, I'm
24 assuming the corridor's wide enough to put it either in
25 Pinal or Pima County.

1 MS. MARINEZ: Yes, that's correct.

2 CHMN STAFFORD: Okay.

3 MS. MARINEZ: Uh-huh. We're asking for a
4 500-foot corridor in this location.

5 CHMN STAFFORD: For, ultimately, a 100-foot
6 right-of-way, correct?

7 MS. MARINEZ: Yes.

8 CHMN STAFFORD: Okay. Thank you.

9 MS. MARINEZ: So the alternative would
10 cross I-10 perpendicularly, based on feedback from
11 Arizona Department of Transportation, and we'll touch on
12 this a little bit later.

13 We can continue the video now.

14 So we're headed east. We're crossing the
15 frontage road, and then the railroad there. And we're
16 approaching the CAP canal where we would also cross
17 perpendicularly, based on feedback from CAP. And Key
18 Observation Point 16 is an observation point for both
19 alternatives 1 and 2.

20 MEMBER KRYDER: Mr. Chairman?

21 CHMN STAFFORD: Yes, Member Kryder.

22 MEMBER KRYDER: Quick question. With
23 regard to the canal and earlier the railroad and slightly
24 before that, the interstate, have all of these entities
25 responded to you, and if so, what was their response?

1 MS. MARINEZ: Yes, we've had meetings with
2 them, and I will go into detail at a future slide, but
3 just to give you a brief overview, so CAP asked us to
4 cross perpendicularly, so did ADOT. And the railroad, we
5 didn't ask for a meeting, but they, because of
6 their -- their workload, they let us know that they would
7 take a closer look at that when we had an actual line
8 sited. But we're familiar with crossing the railroad and
9 we are familiar with their standards. I believe they
10 also prefer perpendicular crossings as well. And so --
11 but, yes, we've met with many of the agencies and
12 entities affected by the routes.

13 MEMBER KRYDER: Thank you.

14 CHMN STAFFORD: Please proceed.

15 Oh, wait, Member Fontes.

16 MEMBER FONTES: Thank you.

17 So on the two linear crossings, do you --
18 how has design been informed to plan for those? Is it
19 going to require an increase to the pole height
20 structure? Is there any requirements on there to account
21 for sag and spacing? When we get to the pole height
22 structure, we want to make sure we understand if you need
23 an additional allowance for that.

24 MS. MARINEZ: A clarifying question, are
25 you referring to when we cross the freeway?

1 MEMBER FONTES: Yes. And then the railway
2 and then on CAP, are you going to have to adjust the
3 spacing in the pole and increase the pole height? We're
4 going to want to capture that for the CEC, so please
5 double-check that in your preliminary design, so we can
6 help accommodate for that, if need be. So that's item
7 number one. It's not a question, it's just asking you to
8 double-check something.

9 Number two is, Bureau of Reclamation, did
10 you file a Form 299 and get a determination on NEPA
11 applicability?

12 MS. MARINEZ: We have not yet done that,
13 but we've had conversations with CAP, and they're going
14 to bring Bureau of Reclamation into the conversation once
15 an alternative route is selected, but they have let us
16 know that a low-level Environmental Policy Act analysis
17 would be required.

18 MEMBER FONTES: I'm not familiar with that
19 term. Is that a categorical exemption? Is that an EIS?
20 Or is that going to be a full Record of Decision that
21 would be -- or an EA?

22 MR. BRYNER: So they haven't indicated yet
23 what level of documentation it would require, but we
24 expect it will be a categorical exclusion or an
25 Environmental Assessment.

1 MEMBER FONTES: Okay. We'll want to know
2 on precedent projects that TEP's had over similar terrain
3 just for reference for this hearing. If you've got some
4 that you can point to.

5 MR. BRYNER: For -- for other crossings of
6 the CAP we've had?

7 MEMBER FONTES: Yes, sir, just for
8 reference.

9 MR. BRYNER: Yeah, we can -- we can
10 definitely -- in fact, I can -- I can point you to the
11 500-kV project that we built just north of here a number
12 of years ago, and that required an Environmental
13 Assessment for the crossing.

14 MEMBER FONTES: That's great. Let's get
15 the docket in there, if we can pull that up and get that
16 just for the record. Thank you.

17 MS. GRABEL: And, Member Fontes, to answer
18 your question about pole height, if you look at the
19 CEC -- proposed CEC that we have as Exhibit 15, Finding
20 of Fact 19 does specify that the maximum height of the
21 structure shall not exceed 125 feet.

22 MEMBER FONTES: That's where I was going,
23 if you need more say it, based on those linear, you know,
24 of those two, because they're going to adjust at both
25 ends there.

1 MS. GRABEL: Okay. We will take a look at
2 that.

3 CHMN STAFFORD: Yeah, I think one of the
4 things you're getting at is I think typically you have a
5 minimum ground clearance of 30 feet for 230 or for 138-kV
6 line?

7 MR. BRYNER: I believe it's 25.

8 CHMN STAFFORD: 25, okay. And then I guess
9 the big issue is, is it going to need more than that for
10 the railroad, the highway, or the CAP? I expect the CAP
11 probably not so much, but the highway and railroad, I
12 think that's -- I'm more curious to see if there's a
13 different height requirement.

14 MEMBER FONTES: Seen it on the CAP in
15 Arizona, that's what triggered my thinking, but the
16 highway, for sure, so --

17 MR. BRYNER: Okay. We'll certainly
18 double-check with our engineers.

19 MEMBER FONTES: To get it right, yup.

20 MEMBER COMSTOCK: Mr. Chairman?

21 CHMN STAFFORD: Yes, Member Comstock.

22 MEMBER COMSTOCK: If I may, what is -- what
23 is the location of the poles away from the freeway, where
24 are they being installed? My concern is that the height
25 of the pole in terms of pole failure could cause a

1 problem on the interstates, but I take it the setback is
2 far enough to not occur if that consequence did happen?

3 MR. BRYNER: So, Member Comstock, we don't
4 have a final engineered design yet, but that is one thing
5 that's considered by ADOT when seeking a crossing permit,
6 and so that would all be taken into consideration.

7 MEMBER COMSTOCK: Thank you.

8 CHMN STAFFORD: Quick follow-up,
9 Mr. Bryner. You do have other 138-kV lines that cross
10 I-10 at some point?

11 MR. BRYNER: Yes, in fact, we were talking
12 about that earlier, we have dozens of lines of 138-kV
13 lines that cross I-10. We have dozens of distribution
14 lines that cross, 230 lines, 345 lines, it's not
15 uncommon.

16 CHMN STAFFORD: Okay. Thank you.

17 BY MS. GRABEL:

18 Q. Please continue, Ms. Martinez.

19 A. (MS. MARINEZ) So this is Key Observation Point
20 16. We're on state land here, and this is the
21 alternative 1 or 2 line here. You can see the existing
22 utility corridor here.

23 MEMBER KRYDER: Little closer to your mic,
24 please.

25 MS. MARINEZ: You can see the existing

1 utility corridor here that this line would parallel. And
2 now we'll head southeast along that existing utility
3 corridor. And so we're now approaching the Owl Head
4 Ranch Switchyard in red, and then the Adonis Substation
5 in yellow. And the Adonis Substation is existing.

6 CHMN STAFFORD: And that's AEPCO's
7 substation or is it TEP's?

8 MS. MARINEZ: We thought it was AEPCO's,
9 but I believe it is Trico's.

10 CHMN STAFFORD: Trico's. Can you pause it
11 there? So then the switchyard will connect the existing
12 230-kV line and the new 230 -- the new 1 -- it's a 138-kV
13 line, right, because the switchyard is not doing any
14 transformation, so it's going to connect the existing
15 line and the new line to make the loop?

16 MS. MARINEZ: Could you repeat the
17 question?

18 CHMN STAFFORD: The switchyard, which --
19 remind us again which lines are connecting at the
20 switchyard.

21 MS. MARINEZ: This is the double-circuit
22 line from Grier Substation.

23 CHMN STAFFORD: The new line?

24 MS. MARINEZ: Correct.

25 CHMN STAFFORD: And?

1 MR. BRYNER: So you would have -- so you
2 can see the line that's -- the extra line that's
3 illustrated in this -- in this simulation is that quad
4 circuit line with the four circuits, so ultimately all
5 four of those circuits would drop in. So you're actually
6 going to have four -- or eight connections going in from
7 that, four from the south, four from the north. Plus
8 you're going to have our new double-circuit tie to
9 Adonis, you know, circuit that we're completing with
10 AEPCO, so that's going to be an additional, so you're up
11 to nine and then the two for new double-circuits, so
12 you're up to 11, and we plan to make this, I believe,
13 it's an 18-position switchyard, so it would have room for
14 additional growth. There is a lot of interest in
15 interconnections and things like that in this area, and
16 so we wanted to make sure we could accommodate future
17 growth.

18 CHMN STAFFORD: Okay. So that -- so you'll
19 be able to hook up additional generation projects to this
20 switchyard, potentially, at some point?

21 MR. BRYNER: Correct.

22 CHMN STAFFORD: Okay. Member Fontes, it
23 looks like you have a question.

24 MEMBER FONTES: Is there any pole
25 structures planned in the switchyard?

1 MR. BRYNER: As you can see from our nice
2 sandbox --

3 MEMBER FONTES: For clarification.

4 MR. BRYNER: I would say likely there will
5 be some poles in there to maneuver around, it's a lot
6 of -- a lot of lines to accommodate in there, and so I
7 would say likely yes, but for certain, I can't say right
8 now.

9 MEMBER FONTES: I will reserve comment
10 until we get to lightning and arrest structures, and I'm
11 thinking about the Test Track fire that the WAPA
12 substation had earlier this year that you're probably
13 aware of.

14 MR. BRYNER: Okay.

15 MEMBER FONTES: For reference.

16 MR. BRYNER: Okay.

17 CHMN STAFFORD: All right. Please continue
18 with the tour -- virtual tour.

19 MS. MARINEZ: So that's showing alternative
20 1A. And now we'll pause there and return to the visual
21 simulations to describe 2B. So to start with B --

22 CHMN STAFFORD: I guess I have another
23 quick follow-up question. Will there be any
24 interconnection between the Trico substation and the new
25 switchyard? No, that's correct, there's not going to be,

1 correct?

2 MR. BRYNER: Between the Trico substation
3 and the switchyard, there will be no electrical
4 connection.

5 CHMN STAFFORD: Okay. That's what I
6 thought, because that wasn't listed in the potential, was
7 it, 19 --

8 MR. BRYNER: 18 positions.

9 CHMN STAFFORD: 18.

10 MR. BRYNER: Yeah, no, there is nothing
11 planned.

12 CHMN STAFFORD: Okay. Thank you.

13 MS. MARINEZ: All right. So alternative B
14 would follow Grier Road until it turns into Luckett, and
15 this -- I think I mentioned this earlier, but there --
16 this is in closer proximity to residential areas, which
17 you see here in brown than alternative A.

18 So key observation point here. This is
19 from north Jane Avenue, looking south, so you see
20 existing transmission -- or excuse me -- existing
21 distribution here to your left under the existing
22 conditions. And then simulated conditions to your right,
23 so we would either reroute or underground --

24 MEMBER KRYDER: And, again, the existing
25 transmission lines on the left will be eliminated over

1 time, as Mr. Bryner said; is that correct?

2 MS. MARINEZ: No, this -- these are
3 actually distribution lines, so these would either be
4 rerouted or placed underground.

5 MEMBER KRYDER: Oh.

6 MS. MARINEZ: This is not the 46-kV
7 sub-transmission line --

8 MEMBER KRYDER: Okay.

9 MS. MARINEZ: -- in this area, not on this
10 photo.

11 CHMN STAFFORD: What voltage is that line
12 that we're seeing on the left, slide 29?

13 MS. MARINEZ: 14-kV.

14 CHMN STAFFORD: Okay.

15 MS. MARINEZ: Okay. So this is the view
16 from the neighborhood adjacent to that, so west of that
17 neighborhood that's west of Grier Substation, and it's
18 looking towards Luckett and Marana Road. So in the
19 existing condition there is distribution that, again,
20 that would be placed underground or rerouted. And then
21 to your right is the simulated condition.

22 CHMN STAFFORD: Now, this is for
23 alternative B, correct?

24 MS. MARINEZ: Correct.

25 CHMN STAFFORD: Okay.

1 MS. MARINEZ: Okay. So now we'll cover
2 alternative 2. So alternative 2 shares some common paths
3 with alternative 1. So it begins at Marana Road and
4 Lockett Road just like alternative 1, travels north on
5 Lockett. Then it turns east on Hardin Road, and then
6 north at Wentz to cross the freeway, it would parallel a
7 natural gas pipeline here, cross the CAP, and then travel
8 southeast to the Owl Head Ranch switchyard.

9 Key Observation Point 9, on slide 32, this
10 is a driver's view of I-10 looking northwest, and so you
11 can see that -- that crossing there. So now we'll show
12 you a virtual tour of alternative 2B. Again,
13 alternatives 1 and 2 can be paired with A or B. So I'll
14 begin again at the Grier Substation site. Alternative 2
15 will turn west and this is just to the north of the Santa
16 Cruz River, this road here. So Grier makes some turns
17 before it eventually turns into Lockett.

18 MEMBER LITTLE: Mr. Chairman?

19 CHMN STAFFORD: Yes, Member Little.

20 MEMBER LITTLE: Just to clarify, those
21 things that look like dormitories are actually just
22 houses, right?

23 MS. MARINEZ: Yes. Yes.

24 MEMBER LITTLE: Individual homes?

25 MS. MARINEZ: Correct.

1 MEMBER LITTLE: Barns and things?

2 MS. MARINEZ: Correct.

3 CHMN STAFFORD: They look like Monopoly
4 hotels.

5 MEMBER LITTLE: They do.

6 MS. MARINEZ: I agree.

7 MEMBER KRYDER: They look like prison
8 cells.

9 MS. MARINEZ: So here we're turning north
10 on Lockett, but before we do, we'll get this key
11 observation point again.

12 CHMN STAFFORD: This is Key Observation
13 Point 12 again?

14 MS. MARINEZ: Yes, this is Key Observation
15 Point 12, on Linda Lane, looking towards the Marana and
16 Lockett roads.

17 CHMN STAFFORD: We saw the same observation
18 point for alternative 1, correct, and alternative A?

19 MS. MARINEZ: No, this is specific to
20 alternative B.

21 CHMN STAFFORD: Right. This one, but we've
22 seen the same observation point for 1A, correct?

23 MEMBER LITTLE: Huh-uh.

24 CHMN STAFFORD: We have not?

25 MS. MARINEZ: No.

1 CHMN STAFFORD: Okay.

2 MS. MARINEZ: So this is where -- this is
3 Marana and Luckett Road, so alternative B ends, and then
4 it can be paired with 1 or 2. Here we're showing through
5 this fly-through alternative 2 in the blue. So we're
6 traveling north again on Luckett Road. You'll note again
7 the agricultural fields and scattering of homes.

8 Then we're going to be turning east on
9 Hardin Road. And this Hardin Road is a dirt road. The
10 CMID runs parallel to that road, the Cortaro Marana
11 Irrigation District. And based on feedback from them, we
12 would be 25 feet from their canal, and I'll go into that
13 in more detail in another slide.

14 So you'll note the agricultural fields, up
15 ahead to the right is a steel company, so this is
16 actually industrial use here. And then we're going to
17 turn north on Wentz Road to cross the freeway
18 perpendicularly. And then we'll take another look at Key
19 Observation Point 9. This is that driver's view looking
20 north. We'll continue east.

21 And if you can pause for a second here.

22 So here the line continues northeast and
23 this is where it parallels the El Paso Natural Gas
24 Pipeline, and I will go into more detail on this.

25 And you can continue the video now.

1 And where it straightens out here and
2 crosses the CAP canal is where it has that common path
3 now with alternative 1, so we're right in here on the
4 map. Crossing the CAP perpendicularly and then aligning
5 with that utility corridor here. Again, in yellow is the
6 Adonis or the -- the Adonis Substation that's existing,
7 and then the red is a representation of the Owl Head
8 Ranch Switchyard.

9 Okay. And we'll take a look at the visual
10 simulations for alternative 3 before we get into that
11 virtual tour. Okay. So before I get started on
12 alternative 3, I do want to point out again the common
13 path with alternative 3 and the existing 46-kV
14 sub-transmission line. So this line from Wentz and
15 Barnett, traveling east and then south on Sandario Road
16 and then east on Moore, this line segment right here is
17 where there's an existing 46-kV sub-transmission line,
18 that would be retired and this line would be put in place
19 of that, and so you'll note that that's the location
20 where there's the most residences along this corridor,
21 although there is some up here as well.

22 BY MS. GRABEL:

23 Q. Ms. Martinez, can I interrupt you for a moment?
24 So you noted that we would retire the 46-kV if the
25 line -- if this new project were located along this

1 route, correct?

2 A. (MS. MARINEZ) Correct.

3 Q. And I believe Mr. Bryner noted earlier that
4 there's not just distribution, but there's communication
5 facilities and other wires on this line; is that correct?

6 A. (MS. MARINEZ) Correct.

7 Q. Would those lines also be either undergrounded
8 or rerouted if the transmission line was built on
9 alternative 3?

10 A. (MS. MARINEZ) Yes, they would.

11 Q. And that's not true if alternatives 1 or 2 were
12 chosen, correct?

13 A. (MS. MARINEZ) Correct.

14 Q. The distribution line would be there, but the
15 other lines would potentially still exist?

16 A. (MS. MARINEZ) Right.

17 Q. Okay. Thank you.

18 CHMN STAFFORD: I had a quick follow-up
19 question. So you said the existing 46-kV lines, they run
20 from the intersection of Wentz and Barnett, starting
21 there?

22 MS. MARINEZ: Yes.

23 CHMN STAFFORD: All the way to?

24 MS. MARINEZ: So they travel along Barnett
25 until Sandario Road, turn south on Sandario, and then

1 east on Moore. And then here at Moore and Postvale is
2 where the 46-kV line goes south and our line goes north
3 or alternative 3 would go north.

4 CHMN STAFFORD: Okay. So the segment from
5 Moore, I guess that is --

6 MS. MARINEZ: Uh-huh.

7 CHMN STAFFORD: -- to the CAP canal,
8 there's currently no line there at all, correct?

9 MS. MARINEZ: All of this from Postvale and
10 Moore north, this would all be new.

11 CHMN STAFFORD: Okay. Thank you.

12 MEMBER LITTLE: Mr. Chairman?

13 CHMN STAFFORD: Yes, Member Little.

14 MEMBER LITTLE: The AEPCO/TEP line runs
15 north of San Lucas, is that correct, the dark brown?

16 MS. MARINEZ: Yes.

17 MEMBER LITTLE: Okay. So if alternative 3
18 were chosen, there would be transmission lines on both
19 the north side of that development and the east side of
20 that development?

21 MS. MARINEZ: That's correct.

22 MEMBER LITTLE: Okay. Thank you. There
23 were a lot of comments from them, that's why I'm curious.

24 MEMBER KRYDER: Mr. Chairman?

25 CHMN STAFFORD: Yes, Member Kryder.

1 MEMBER KRYDER: I'm just looking on the
2 placemat here, at the alternative cost, total cost,
3 between the several alternatives that are presented, and
4 the seeming major difference it looks like 1 1/2 -- or
5 1.2 million for the preferred route and the highest
6 alternative up there, alternative 1A is 18.4, these are
7 correct numbers?

8 MS. MARINEZ: Yes.

9 MEMBER KRYDER: Okay. And the primary
10 difference seems to be not in the construction cost,
11 although they're substantial as well, is it -- how did we
12 get so much disparity here?

13 MS. GRABEL: Member Kryder, I think what
14 you're looking at is the circuit tie, so the preferred
15 route here is the preferred route specific to the Grier
16 Substation circuit tie, so that's just a half a mile
17 line --

18 MEMBER KRYDER: Okay.

19 MS. GRABEL: -- the other alternatives are
20 the longer line, the double-circuit line --

21 MEMBER KRYDER: Okay.

22 MS. GRABEL: -- that's tying Grier to the
23 Owl Head Switchyard.

24 MEMBER KRYDER: Okay. I thank you very
25 much for that clarification, sure. I couldn't -- I

1 couldn't understand the -- I thought, wow, this is pretty
2 brainless.

3 MS. GRABEL: That is confusing, because it
4 just says "preferred route," I understand.

5 MEMBER KRYDER: Okay. Thank you very much
6 for pointing that out, Meghan.

7 CHMN STAFFORD: Member Fontes, do you have
8 a question?

9 MEMBER FONTES: I do. Thank you,
10 Mr. Chairman.

11 Decommissioning costs on the 46-kV, are
12 those factored into these costs here? Because I think
13 one scenario -- and what happens if you go with the
14 preferred route, are you still going to decommission the
15 46-kV?

16 MR. BRYNER: We'd have to confirm. I don't
17 believe they are.

18 MS. MARINEZ: All right. So this is the
19 view from the Barnett Village and it's looking west, so
20 there's actually an existing --

21 CHMN STAFFORD: Looking at KOP-4 on slide
22 35.

23 MS. MARINEZ: So the existing 46-kV
24 sub-transmission line is shown here from a distance along
25 Barnett, and this is the new line here. This is from

1 West Moore Road looking southeast, and you can see
2 distribution here in the existing conditions and then
3 here would be the new line.

4 CHMN STAFFORD: And you're on KOP-10 on
5 slide 37?

6 MS. MARINEZ: Yes.

7 CHMN STAFFORD: Okay.

8 MEMBER LITTLE: Mr. Chairman?

9 CHMN STAFFORD: Yes, Member Little.

10 MEMBER LITTLE: To confirm, if alternative
11 1 or 2 is chosen, as opposed to alternative 3, the
12 existing condition distribution mess there would remain,
13 probably, yes?

14 MS. MARINEZ: It would remain, yes. We do
15 it along corridors where there would be a new
16 transmission line.

17 MEMBER LITTLE: Thank you.

18 MS. MARINEZ: So this is a walking trail
19 just north of the Gladden Farms community, and so the
20 existing condition you can see --

21 CHMN STAFFORD: And you're looking at
22 KOP-11 on slide 38?

23 MS. MARINEZ: Yes.

24 In the existing condition you can see the
25 sub-transmission line here this is that existing 46-kV

1 sub-transmission line, and then down here, this lower
2 bar, this is the distribution. And then this here is the
3 telecommunications cable. And to Ms. Grabel's point
4 earlier, the new line would be -- it would be slightly
5 taller, about 10 feet taller, but it would not have the
6 distribution or the telecommunications cable.

7 CHMN STAFFORD: Those would be
8 undergrounded?

9 MS. MARINEZ: Or rerouted, yes.

10 CHMN STAFFORD: Or rerouted.

11 Now, who -- who would decide where they got
12 rerouted would it be you for the distribution line and
13 then the telecommunication provider would just follow
14 wherever you went?

15 MR. BRYNER: Yeah, we'd decide what we're
16 going to do with ours. Once we remove ours from the
17 structures, then we give them the notice that they need
18 to remove theirs. We typically give them the opportunity
19 to go into a joint trench with us if we're planning to
20 put it underground or if we're just planning to reroute,
21 then we would just let them know we're rerouting there
22 and maybe they want to follow us.

23 CHMN STAFFORD: When you're given the
24 opportunity to use a joint trench, do they contribute any
25 funds to that or are they free riding on your trench?

1 MR. BRYNER: No, it would be -- it would be
2 a shared cost.

3 CHMN STAFFORD: Okay. Thank you.

4 MS. MARINEZ: Okay. This is -- this is
5 nearby, this is Key Observation Point 5 also of that
6 walking path. So these are to -- to your left or viewing
7 the existing conditions, you can see there's distribution
8 here. There's the 46-kV up here, and then this is
9 distribution. And then over to your right, they would
10 just be the 138-kV here. So slightly taller, but it
11 would not have the distribution or telecommunication
12 cables.

13 CHMN STAFFORD: On the -- so we're looking
14 at KOP-5 on slide 36, you said on the left that's the
15 46-kV subdistribution on the left side?

16 MS. MARINEZ: Yes, so this is 46-kV up here
17 and then this is distribution, this bar you see.

18 CHMN STAFFORD: And that's, what, 14-kV?

19 MS. MARINEZ: Yes, 14-kV. And then this is
20 the telecommunications cable here.

21 CHMN STAFFORD: Okay.

22 MS. MARINEZ: This is Key Observation Point
23 13, slide 39, and it's the view from the Adonis
24 mobilehomes community, looking southwest. So here there
25 is no existing line, and there would be a new line

1 located along Postvale Road.

2 This is Key Observation Point 14, slide 40,
3 and this is from the San Lucas community. This is
4 actually at a cul-de-sac, so that's the road you see
5 here. And then this is Postvale Road here. And the line
6 would be located here to the east of the community. And,
7 as Member Little mentioned, they have a new line located
8 to the north of their community related to the Saguaro to
9 Marana transmission line that is under construction.

10 CHMN STAFFORD: And back to the KOP-14, so
11 they're looking east and the CAP is on the other side
12 somewhere between there and the mountains, correct?

13 MS. MARINEZ: Correct. And I think it's
14 mainly further north. I'm not sure if it extends all the
15 way down here.

16 It does?

17 It does extend, so yes.

18 CHMN STAFFORD: Okay. Thank you.

19 MS. MARINEZ: This is also a view near the
20 San Lucas community, so this is actually north of the
21 community. So, Member Little, this is actually that
22 Saguaro to Marana transmission line here to the left on
23 the visual simulation, and then here to the right or
24 coming in from the south near Postvale Road is
25 alternative 3.

1 MEMBER LITTLE: So, actually, the existing
2 condition should include the line that's being built
3 right now, because that will be there regardless of what
4 we choose to do here today?

5 MS. MARINEZ: Right. It's just at the time
6 the photos were taken --

7 MEMBER LITTLE: I understand.

8 MS. MARINEZ: -- but they are moving
9 quickly, so they might be up there when we go out there
10 in person.

11 CHMN STAFFORD: I have a quick question to
12 you. On the left screen I can barely make out some
13 lines, but no poles.

14 MS. MARINEZ: I don't --

15 (Discussion off the record.)

16 CHMN STAFFORD: Because I'm -- it's hard to
17 do on the screen up there, but if I look at the exhibits
18 on the tablet here next to me, I can see there's actually
19 lines, transmission -- it looks like -- I can't tell if
20 they're transmission, but I can see conductors crossing
21 the road.

22 MS. MARINEZ: Are they here, Mr. Chairman?
23 I think I see them too, right in this general area?

24 CHMN STAFFORD: Just above the mountains.

25 MS. MARINEZ: I don't believe they're meant

1 to be there, but I see what you mean here.

2 CHMN STAFFORD: Is that -- would that be
3 more like the -- the AEPCO or the AEPCO line or is that
4 just -- is that a glitch?

5 MS. MARINEZ: This would be the AEPCO line
6 here to the right. Okay, so the simulated condition --
7 but the line to the left is the Saguaro to Marana
8 transmission line.

9 CHMN STAFFORD: But there's no existing
10 lines -- in the existing condition there aren't any lines
11 that span that road without poles visible?

12 MS. MARINEZ: I don't believe so, but we
13 can confirm -- we can confirm that.

14 CHMN STAFFORD: Because it could be -- I'm
15 just making sure it's not some existing distribution or
16 subdistribution line. It's quite the span, I'd say,
17 that's why I'm bewildered.

18 MR. BRYNER: Yeah, Member Chairman -- or
19 Chairman Stafford, we'll certainly pass on this area
20 tomorrow if we go on the tour, but I'm 99.9 percent
21 positive there are no overhead lines right there.

22 CHMN STAFFORD: Okay.

23 MR. BRYNER: It's some remnant that came
24 through in the creation of the photos.

25 CHMN STAFFORD: Okay. Thank you. Glad we

1 cleared that up.

2 MS. MARINEZ: So this is Key Observation
3 Point 3, on slide 34, and this is the view from the CAP
4 trail. So now we're looking southwest towards the San
5 Lucas community, which is located over here. So you see
6 the Saguaro to Marana transmission line project -- or
7 transmission line here in the simulated condition, and
8 then our line turning south. That's our line there. And
9 some of these lines might be built now. When we go out,
10 they might be there.

11 So now we're seeing alternative 3 in the
12 green. We're turning west -- or we're headed west from
13 Grier Substation -- or from the planned Grier Substation
14 site. We are on Grier Road.

15 And could we stop there.

16 And then here we're going to turn right on
17 Wentz Road.

18 And may I just ask could the audio team,
19 could you make sure that the video is on half speed?
20 Thank you.

21 So we're turning right on Wentz Road. And
22 then if we could pause here, please. I do want to point
23 out, so right here is where the 46-kV sub-transmission
24 line begins, actually right here where I'm circling is
25 the Lateral 7 1/2 Substation site. So there's an

1 existing substation here, and then right here where this
2 pole is is where the 46-kV sub-transmission line begins
3 and heads west. And then I will let you know when that
4 line deviates.

5 CHMN STAFFORD: You mean east?

6 MS. MARINEZ: East, thank you. Yes, turns
7 left or east. And then I'll let you know when we get to
8 the point where the 46-kV line deviates from alternative
9 3.

10 So we're on Barnett Road, this is mostly
11 agricultural fields, as you can see, and we're passing
12 Sanders Road. And we're going to be turning right or
13 south on Sandario Road. And to -- at the bottom of your
14 screen is Rancho Marana and at the top of the screen --

15 Can we pause there.

16 To the top of the screen in this area is
17 Vanderbilt Farms, and then this area here south of -- so
18 to the right and south of the transmission line is
19 Gladden Farms. And right here is the walking path that's
20 existing, and so that 46-kV, again, the 46-kV line is
21 already in this location, and it is worked into the
22 landscape, which we'll see here shortly again with the
23 key observation point.

24 We can resume now.

25 CHMN STAFFORD: Wait, pause a second.

1 Okay. So the part where it's
2 heading -- which direction is that going?

3 MS. MARINEZ: This is going east.

4 CHMN STAFFORD: East on Moore?

5 MS. MARINEZ: Moore.

6 CHMN STAFFORD: Where is the walking path?

7 MS. MARINEZ: The walking path is right
8 here.

9 CHMN STAFFORD: Oh, beneath the line --
10 between the line and the --

11 MS. MARINEZ: Just adjacent to it, uh-huh,
12 and you can kind of see it.

13 CHMN STAFFORD: So the walking path is in
14 this area there?

15 MS. MARINEZ: Right here where my cursor
16 is.

17 CHMN STAFFORD: Okay.

18 MS. MARINEZ: Sort of an S shape, I think
19 there's another -- there we go. So it's right in here.
20 And you'll get to see it on the tour and we'll also show
21 it with the key observation point.

22 CHMN STAFFORD: All right. So this
23 is -- this segment here says it's heading east along
24 Moore, right?

25 MS. MARINEZ: Correct.

1 CHMN STAFFORD: I just want to get oriented
2 to make the turns.

3 MS. MARINEZ: There are a lot of turns.

4 CHMN STAFFORD: Okay. And so -- and
5 there's an existing 46-kV system that still runs along
6 here?

7 MS. MARINEZ: Correct.

8 CHMN STAFFORD: Okay.

9 MS. MARINEZ: Uh-huh.

10 CHMN STAFFORD: Please proceed.

11 MS. MARINEZ: So we'll take another look at
12 Key Observation Point 11 now, and this is of that walking
13 path. And so you might recall from the existing
14 simulations that the poles looked similar to this, they
15 were a little shorter. They also had distribution and
16 then telecommunications cables, but in this simulation,
17 this is the transmission line that that line would be
18 replaced with.

19 CHMN STAFFORD: And you said the
20 existing --

21 MS. MARINEZ: Could we pause, please?

22 CHMN STAFFORD: The 46 would be retired,
23 the distribution line would be -- well, I guess could be
24 rerouted or probably likely undergrounded in this
25 location, along with any kind of telecom communication

1 cables that are underneath your distribution lines?

2 MS. MARINEZ: Yes, that's correct.

3 CHMN STAFFORD: And that -- is the cost of
4 that figured into the cost of the construction costs for
5 this segment?

6 MR. BRYNER: I can take that, Chairman
7 Stafford. So while -- while you're going through the
8 virtual tour I was doing a little bit of sleuthing with
9 our engineering group, and no, one, the costs for the
10 distribution were not taken into consideration for
11 rerouting that, and also the cost of decommissioning the
12 46-kV line were not taken into consideration.

13 CHMN STAFFORD: Okay.

14 MR. BRYNER: So there would be added costs
15 for alternative 3, but really all of the -- all of the
16 alternatives would have some component of distribution,
17 rerouting, relocating. And they would all ultimately
18 decommission the 46.

19 CHMN STAFFORD: Right. But it seemed like
20 this route particularly would speed up the timetable in
21 which that happens.

22 MR. BRYNER: I think that's a correct
23 statement.

24 CHMN STAFFORD: Those costs would be
25 incurred earlier, sooner than later, as opposed to, say,

1 alternative 1 or 2, because it's -- if you're just going
2 to get rid of the 46-kV system, it's not -- if you're not
3 running the same parallel route to them, it's going to
4 get -- it's going to get removed as you put this line in,
5 as opposed to other ones where they could be done later.

6 MR. BRYNER: That's correct.

7 CHMN STAFFORD: Okay. Thank you.

8 MS. MARINEZ: And before we start the video
9 again, I do want to point out --

10 Oh, I can't use these on that, right?

11 So right here is where that 46-kV line
12 ends -- well, doesn't end, it continues south, but our
13 common path ends. And so we are -- right here is
14 Postvale Road and Moore Road, so right at this location
15 is where the 46-kV line will turn south and our
16 alternative 3 turns north on Postvale Road.

17 We can continue now.

18 So we're headed north on Postvale Road.
19 We'll cross the freeway perpendicularly. And this is the
20 San Lucas community you see on the left hand of the --
21 left-hand screen. So the transmission line would be to
22 the east of the neighborhood on state land here. And
23 then here's where the line crosses the CAP canal
24 perpendicularly.

25 Could we pause here, please?

1 MR. BRYNER: So through the beauty of
2 Google Street View we were able to confirm that there is
3 indeed a distribution line that rises up on the north
4 side. This is Cochie Canyon Trail that we're looking
5 down, and it rises up on the north side of that, and then
6 extends to the south side of Cochie Canyon Trail in a
7 diagonal direction towards the southeast, and then
8 disappears off in the distance. So, Chairman Stafford,
9 you have eagle eyes.

10 CHMN STAFFORD: Those lines actually do
11 exist, then?

12 MR. BRYNER: They do.

13 CHMN STAFFORD: Oh, wow, okay. Thank you.
14 That's quite the span, though, for a distribution line.
15 I guess the pictures taken perfectly -- I guess the posts
16 have got to be just out of the shot.

17 MR. BRYNER: Yeah, I believe they are, yes.

18 CHMN STAFFORD: Thank you. Thank you very
19 much.

20 MS. MARINEZ: Okay. So we saw this
21 earlier, but to your left is the Saguaro to Marana
22 transmission line that is under construction. This is
23 located north of the San Lucas community. And then we
24 would be coming in from the south -- or, well, east of
25 San Lucas, and then coming in from the south to connect

1 that way. So this is our line here. This is alternative
2 3. We're crossing the CAP canal and then headed
3 northeast towards the switchyard.

4 AUDIOVISUAL TECHNICIAN: Can we pause for
5 one moment? We just lost connection to Zoom.

6 CHMN STAFFORD: I think we're coming up on
7 90 minutes, let's take a 15-minute recess.

8 We stand in recess.

9 (Recessed from 3:55 p.m. until 4:18 p.m.)

10 CHMN STAFFORD: Let's go back on the
11 record.

12 Ms. Grabel, I believe we are about to wrap
13 up the virtual tour.

14 MS. GRABEL: I believe that is correct.

15 Q. Have we finished the virtual tour?

16 A. (MS. MARINEZ) We have.

17 Q. Excellent -- so let's go ahead and move on. I
18 believe we're on slide 43.

19 A. (MS. MARINEZ) Yes.

20 So Mr. Bryner will cover this in his siting
21 study overview, but as a high-level summary we considered
22 various factors shown here on this -- shown here on this
23 row here. The laser pointer is not my friend today, so
24 I'll let Mr. Bryner do it.

25 So we considered various factors that you see

1 there on that top row. So length, distance, the impact
2 to residential areas, visual impact, biological impact,
3 whether there were cultural resources in the area, land
4 use suitability, so existing and planned land use,
5 complexity of right-of-way acquisition, whether or not
6 there were existing utility corridors and whether or not
7 we could actually construct, from an
8 engineering-maintenance perspective whether we could
9 construct a line in those locations.

10 And so this is a high-level overview of this
11 analysis, and so we scored these by excellent, which you
12 see in the green happy face, average in the yellow meh
13 face, and poor, which you see in the red sad face. And
14 so I'll cover the red areas first.

15 Actually, before I do, I want to point out, so
16 you might notice that the first two rows for the Grier
17 Substation to Owl Head Ranch Switchyard connection, the
18 first two rows are both alternative 1A and 1B, and you'll
19 notice that they're rated almost -- you know, they are
20 identical here, but the difference -- the reason why we
21 preferred alternative A over alternative B is because we
22 heard from the public to stay away from residential areas
23 as much as possible. And as you saw through our visual
24 simulations and the virtual tour, alternative A is or
25 alternative B is located in the vicinity of more homes

1 than alternative A. And so that's why alternative 1A is
2 our preferred alternative for that connection. So now
3 I'll cover the red -- the sad faces here.

4 So -- so for alternative 3, you saw that we went
5 through a residential -- residential areas, so there's
6 obviously a residential impact with that and a visual
7 impact. For cultural resources, Mr. Hesse is going to
8 explain this in his testimony next, it's actually the
9 next slide, but we found cultural resources in these
10 areas for alternatives 1 and 2, and so that's why those
11 were rated with the red sad face.

12 BY MS. GRABEL:

13 Q. Before you move on, Ms. Martinez, I note the star
14 on both the biological impact and cultural impact, and it
15 says in the legend, "Evaluation does not consider
16 mitigation measures."

17 Did I read that correctly?

18 A. (MS. MARINEZ) That's correct.

19 Q. So if you did consider the mitigation measures,
20 for example, in the cultural impact column, I imagine
21 that that's perhaps locating a pole so that it doesn't
22 impact some sort of artificial -- artificial, that's not
23 what I want to say -- cultural site and spanning it; is
24 that -- is that correct?

25 A. (MS. MARINEZ) Yes.

1 Q. And if you did take those mitigation measures
2 into effect, would that turn that frown upside down, so
3 to speak?

4 A. (MS. MARINEZ) Yes, it would.

5 Q. Thank you.

6 A. (MS. MARINEZ) And then we also looked at
7 right-of-way acquisition and I'll get into this in more
8 detail when we talk about our discussions with the
9 various agencies, but we met with Kinder Morgan, and they
10 informed us that there were many areas that would require
11 mitigation and studies. For alternative 2 where we
12 parallel that gas pipeline and then there would also be
13 additional areas where we would cross, and I'll show all
14 this in a map at a later time, but it added length and
15 cost, so we -- we rated that as well with a sad face.

16 And then moving on to our meh faces, so for
17 alternatives 1 and 2, for line distance those are
18 obviously longer than alternative 3, so we rated those as
19 average, and alternative 3 as excellent. For land use
20 suitability, so for alternative 3 that goes through
21 residential areas, and so there's existing and planned
22 land use, so that's why that was rated average as well.

23 And then for the Grier Substation to circuit tie
24 route, you'll notice we had "excellent" in nearly every
25 category. There is no existing utility corridor there

1 now, but it is, you know, along an agricultural or near
2 or it bisects an agricultural field, and so it
3 essentially, even though we considered other alternatives
4 for that, it just made the most sense. It was the most
5 direct route. It's only half a mile, and so that's what
6 we have before you as our preferred route for the Grier
7 Substation to circuit tie line.

8 Q. And before we continue, Mr. Bryner, I think that
9 we'll have time, I'd like to invite Mr. Jerome Hesse to
10 join the panel. I probably should have done this before.
11 We're going to start talking about the biological and
12 cultural resources.

13 CHMN STAFFORD: We'll need to get him sworn
14 in.

15 MR. HESSE: Ready.

16 CHMN STAFFORD: He's been called, yes?

17 MS. GRABEL: He's been called, yes.

18 CHMN STAFFORD: All right. Mr. Hesse,
19 would you refer an oath or affirmation?

20 MR. HESSE: Affirmation.

21 (Jerome Hesse was duly affirmed by
22 the Chairman.)

23 CHMN STAFFORD: Thank you.

24 Please proceed, Ms. Grabel.

25 MS. GRABEL: Thank you.

1 Q. And, Mr. Bryner, I believe you'll talk about
2 biological resources and I'll do more of an introduction
3 for Mr. Hesse when he's up at bat?

4 CHMN STAFFORD: One second before we
5 get started with Mr. Hesse -- is it Hesse or Hesse?

6 MR. HESSE: Hesse.

7 CHMN STAFFORD: I believe Member Fontes had
8 some questions about the routes and the removal of the
9 46-kV system.

10 MEMBER FONTES: Looking for your guidance.
11 Do the environmental studies need to impact the
12 decommissioning and the restoration on that 46-kV,
13 Mr. Chairman? And how do we factor that into the cost?
14 Does the statute cover that or is that, yes or no, part
15 of this proceeding? Because the original 46-kV was built
16 to some sort of CEC, and it had an environmental
17 remediation.

18 CHMN STAFFORD: No, there would be no CEC
19 for the 46-kV system.

20 MEMBER FONTES: Okay.

21 CHMN STAFFORD: So, I guess --

22 MEMBER FONTES: What's your guidance on
23 that?

24 CHMN STAFFORD: Well, as far as
25 environmental impacts, I mean, if you look at the -- that

1 this line is going to lead to the eventual retirement of
2 the entire 46-kV system area, I think it's not closely
3 related enough to this line, depending on what route you
4 take. I see a difference between the cost of -- the
5 long-term cost of removing the 46-kV system for, say,
6 routes 1 and 2, whether or not directly replacing any of
7 those lines.

8 Whereas with route 3, there's a large chunk
9 where that removal and retirement will happen in
10 conjunction with the construction of this line, so I
11 think it's -- this is more a cost than for environmental
12 impacts. I think that the cost of 3 might be
13 artificially low, because you didn't account for the
14 removal of the 46-kV and the undergrounding of facilities
15 where they would be replaced by the new line. So I think
16 that's -- that's one issue. So I think that's -- and
17 that's a cost issue, I think, so I think it's more
18 relevant for, say, route 3 than the other two because the
19 other two, like I said, they're not going to result in
20 the immediate removal of some of that system.

21 Is that correct, Mr. Bryner?

22 MR. BRYNER: That's correct.

23 CHMN STAFFORD: Okay. Now, as for the
24 environmental impacts, I don't know if --

25 MEMBER FONTES: Pole foundation, soil,

1 vegetation, roads restoration, handling of the PCBs of
2 the conductor? Removing the transmission line is just --
3 there's things that need to be done.

4 CHMN STAFFORD: Mr. Bryner, can you speak
5 to what removal of that 46-kV system would entail? I
6 mean, that's not under our authority, because it's under
7 the 115-kV, but since it -- I think, like I said, the
8 cost difference, I think, is there too. I think if it's
9 immediately -- it's -- eventual removal is different than
10 the immediate removal to be replaced with the 138-kV.

11 What is -- Mr. Bryner, what is -- what kind
12 of environmental review or impacts do you have to do for
13 removal of -- does the City require anything? Does the
14 County require anything when you remove a 46-kV system
15 like that?

16 MR. BRYNER: Sure. I'd be happy to answer
17 the question for the edification of the committee. So,
18 yeah, actually, we're required to recycle all those
19 materials per -- per a federal law called RCRA, Resource
20 Conservation Recovery Act. And so it requires that any
21 time we're removing that equipment that, whether it's
22 hazardous or nonhazardous, that we recycle it. There's
23 plenty of other laws when it is hazardous equipment.
24 Member Fontes mentioned PCBs, so we do have equipment in
25 our substations, older equipment, that did have oil that

1 was -- had PCBs in it. That's really not a concern on
2 the line side of things, in Lateral 7 1/2 Substation,
3 when that's decommissioned that may come into play. So
4 we would comply with any of those laws.

5 But our typical practice when removing a
6 line, if they're steel poles, we're going to take those
7 poles and we're going to, you know, recycle the steel.
8 The conductor or recycle the conductor. Wood poles,
9 we'll take those down. A lot of our wood poles are
10 treated wood poles. There is an exception in the federal
11 law for those poles. We'll bring them typically back to
12 our yard. There's a lot of people that love to make use
13 of those old wood poles. And so we like to find a new
14 home for them, if possible. If not, then they'll be
15 taken to the landfill.

16 So that's kind of our typical process for a
17 line, again, the substation equipment, oil field
18 equipment, is going to go through a different process.

19 CHMN STAFFORD: Okay. Ms. Grabel, do you
20 have any thoughts on the legal requirement that the
21 committee, we consider what happens with the removal of
22 the 46-kV system?

23 MS. GRABEL: Thank you, Mr. Chairman. I
24 don't believe that that is jurisdictional to this
25 committee because it does deal with the 46-kV line. I

1 take your point that, to the extent it's related to the
2 alternative route that impacts costs, but I don't think
3 that the environmental factors are necessarily within the
4 purview, but they're probably going to be relatively the
5 same, because you're building the line at the same time
6 you're taking down the 46-kV, so that should be included
7 in the same analysis.

8 I would also note that there are certain
9 conditions that govern the reclamation of the line, and
10 so that wouldn't be relevant to the 46-kV, but they would
11 be relevant to the line that we're building now. And I
12 think that that kind of governs what this committee
13 should and should not be considering.

14 CHMN STAFFORD: Right. But like I said, I
15 think it has to do with how closely related the removal
16 is to the installation of the new line. So I think to
17 consider what may be different for, say, alternate 3 than
18 for 1 and 2, and I'm not -- not rendering a decision on
19 this, but I'm just -- so far what I've heard about
20 alternative 3, it seems like the -- so far, the evidence
21 we've heard so far, it seems like it's the worst -- the
22 least favored route proposed here today. We have yet to
23 make a decision on which one we're going to approve, but
24 I'm just, based on what I've seen, I'm leaning towards
25 not going with alternative 3. But that's not really what

1 we're deciding yet. But I'm just -- I think if we're not
2 going to consider that one, I think the whole issue of
3 the cost and the impacts of removing the 46-kV system
4 become -- that issue almost goes away if we don't involve
5 route 3, from my perspective.

6 MEMBER FONTES: Can you summarize that for
7 guidance for us on how to think about this, Mr. Chairman,
8 that's a lot of information?

9 CHMN STAFFORD: Well, I mean, I don't --
10 we're approving -- looking at the environmental impact of
11 the new line. And I'm not looking at the specific
12 factors in the statute that would require us to
13 consider -- I guess it could fall under additional
14 factors that require --

15 MEMBER FONTES: You've got to
16 deconstruct -- you've got to decommission a line,
17 remediate, get all the permissions, the schedule impacts,
18 so that's going to look at when the studies were done for
19 the new line, so what I'm looking at is how should we
20 think about it, from your guidance?

21 CHMN STAFFORD: Well, I think -- I guess
22 that's what the applicant to show what the impact would
23 be. When they said they're going to put the line here,
24 they have to do the --

25 MEMBER FONTES: So it would be a different

1 schedule for each line?

2 CHMN STAFFORD: Right. But I think, again,
3 we don't have jurisdiction of the 46-kV line, so I'm less
4 concerned with the impact, so like Mr. Bryner pointed
5 out, there's a bunch of federal laws they're going to
6 have to comply with in the removal of that. My -- I
7 think the concern that's more relevant to this committee,
8 would be the additional costs that weren't calculated in
9 the cost of the third -- of alternative number 3, because
10 those would be incurred during the construction of this
11 line, because they have to remove them to put the new
12 line in.

13 MEMBER FONTES: Cost and schedule.

14 CHMN STAFFORD: Right.

15 MEMBER FONTES: Yeah.

16 MR. BRYNER: Is there any information that
17 we could provide that would help the committee? A cost
18 estimate, I'm not sure. I'd like to provide you what you
19 need to make a decision.

20 CHMN STAFFORD: Right. I think it would be
21 helpful for -- because the cost of alternative 3 doesn't
22 include the undergrounding or the removal of that 46-kV
23 system for that section between Wentz Road and was it
24 Post -- Postvale Road? I think it would be -- I guess
25 the environmental impacts if you're looking at the -- I

1 guess you'd have more ground disturbance, because you'd
2 be undergrounding, I think it may -- is there -- that one
3 had the smiley face for cultural resources, there wasn't
4 any --

5 MS. GRABEL: That's correct.

6 MEMBER FONTES: I'm also thinking about
7 postings and those sorts of things, like during
8 construction. There's a lot when you decommission, and
9 then you're building on that. So that's why I want to
10 make sure we've got a good frame of reference per your
11 guidance.

12 CHMN STAFFORD: Okay. I wouldn't say --
13 like, the environmental impacts that we have to
14 specifically consider for removal of that, but I think it
15 would be helpful if the applicant were to update the
16 costs to include the costs of the removal of that 46-kV
17 system for that segment where it would be to underground
18 it, because there's a distribution line there, too, in
19 addition to the 46-kV.

20 MEMBER FONTES: And I'm not looking at just
21 the environmental impact guidance that I'm seeking from
22 you, Mr. Chairman, but also more of the construction,
23 because you've got to do one before you do the other, so
24 it's going to be a lot on one side.

25 MR. BRYNER: Yeah, so to sequence that, so

1 again, we would --

2 MEMBER FONTES: And how that would impact
3 that project, that cost, that schedule and, you know,
4 public outreach, visual impact, that sort of -- those
5 additional factors beyond the environmental, just to
6 characterize them, because I think that we owe the public
7 that in terms of the stakeholders.

8 MR. BRYNER: And I think, Member Fontes, I
9 appreciate the question, and I think can answer that last
10 one just with the way we would sequence the project.

11 MEMBER FONTES: Yes, sir. When we get to
12 that section if you could just characterize that a little
13 more in depth based on best practice -- on the Midtown
14 Reliability practice and the other ones that you're going
15 through.

16 MR. BRYNER: I'll just do it right now,
17 because I don't think we really have a section on that.
18 But for alternative 3 -- so any of the alternatives, you
19 know, right now this area is served by that 46-kV line.
20 We can't take that line out of service until they're
21 served in some other manner. So once we get the rest of
22 the to the circuit tie built, that would tie in, along
23 with the Owl Head Ranch Switchyard built, we don't
24 necessarily need that double-circuit line in service. We
25 can energize that new Grier Substation or the planned

1 Grier Substation.

2 And so at that point we can then transfer
3 our customers over to the Grier Substation from the
4 Lateral 7 1/2 Substation, allowing them to stay in
5 service. And at that point then we can decommission the
6 46-kV line regardless of whether we're building
7 alternative 1, 2, or 3. And so it could be wrecked out
8 in its entirety and the distribution rerouted, if we're
9 going with alternative 3. If we're not going with
10 alternative 3, it can just be -- the 46-kV can just be
11 removed.

12 So I think as far as the way the 46-kV
13 impacts the project, it doesn't matter which alternative
14 route, we would just have -- we would have our customers
15 on a radial, like they are today, but on the 138-kV
16 system for a little more time, if alternative route 3
17 were to occur than we would if alternative routes 1 or 2
18 were selected.

19 MEMBER FONTES: So just what would be the
20 minimal impact on the public for construction of the
21 alternatives? Just thinking this through a little bit.

22 MR. BRYNER: I would say it would be
23 similar for any of them. So, again, when we build a
24 transmission line, it's a pretty minimal impact on the
25 public -- and you'll actually see -- because I know

1 AEPCO's out there today building the line. We were out
2 there last week driving the route, and there was a pole
3 on the ground and they were drilling the hole and we went
4 around the block and we came back and they had it set.
5 You know, most of these poles were there a day, max. If
6 it's a foundation pole, we'll go, we'll drill the hole,
7 we'll pour the foundation we'll come back once it's
8 cured, we'll set the pole. It's a maximum of a few days
9 scattered over a period of maybe a few weeks, but it's a
10 couple of days that we're actually in that area.

11 MEMBER FONTES: So it's going to be the
12 same schedule for all alternatives?

13 MR. BRYNER: Yeah, with the exception of
14 alternative 3, you're removing a pole and then adding a
15 pole. So you've got a couple extra days in there.

16 BY MS. GRABEL:

17 Q. And, Mr. Bryner, would you agree that because
18 alternative 3 is located near residences, that would have
19 a greater noise impact than some of the alternative
20 routes 1 or 2, which are more removed from the
21 residential communities?

22 A. (MR. BRYNER) For sure. I wouldn't say it's an
23 inordinate amount of noise, but it's for sure greater.

24 CHMN STAFFORD: Anything --

25 MEMBER KRYDER: Mr. Bryner --

1 CHMN STAFFORD: Oh, Member Kryder.

2 MEMBER KRYDER: I'm sorry, Mr. Chairman.

3 Mr. Bryner, looking at the preferred routes
4 1A and 2A, 1 runs up through all the ag area would seem
5 like it would cause less problem for the public, as you
6 just said, a few extra -- a few less days of tearing out
7 the -- the partial system and putting in the new, and so
8 on and so on.

9 What about the visual impacts? According
10 to your little diagram here, alternative 3 gets a lot of
11 frowny faces rather than smiley faces. I'm confused as
12 to how important the impact, the visual impact and the
13 residential impact is in -- in the whole of things. It
14 looks like alternative 3 has a lot of frowny faces on it
15 to me.

16 MS. MARINEZ: Member Kryder, so that's
17 because of the visual impact and residential impact it
18 would have on the residences along alternative 3. You
19 notice from the video that it went through residential
20 areas.

21 MEMBER KRYDER: So that's -- okay, I guess
22 that's the reason that it is alternative 3, would that
23 be --

24 MR. BRYNER: I think it got alternative 3
25 just out of happenstance. I'm not sure that that was

1 planned, but it's alternative 3 in order, I would say,
2 based on this, if you were to say our order of preference
3 1 -- 1A, 2A, and then probably 1B, 2B, and then 3.

4 MEMBER KRYDER: Thank you. That's -- that
5 was kind of the analysis I made, and didn't very well
6 articulate. Thank you.

7 MEMBER LITTLE: Mr. Chairman?

8 CHMN STAFFORD: Yes, Member Little.

9 MEMBER LITTLE: Along those lines, I think
10 that, to me, the visual impact is somewhat judgmental. I
11 personally think that the 138-kV pole line is a lot
12 cleaner looking and if that was in my backyard if I had
13 to choose between the 46-kV with all that other stuff
14 hanging on the poles or the 138-kV that are clean
15 looking, I would prefer the latter.

16 But I'm wondering, I read the comments, and
17 I didn't notice that there were any comments that
18 mentioned that. In the information that was provided to
19 the public at the open houses or online, were -- were the
20 visual before or the existing conditions and the
21 simulated conditions, were they shown to the public?

22 MS. MARINEZ: Yes, we had some of the key
23 observation points, not all of them, available at our
24 March meeting, and so we did have that up on a screen.
25 And remind me of your question before that, though.

1 MEMBER LITTLE: I just said that I thought
2 that it was somewhat judgmental. I didn't really have a
3 question. I was just curious about whether -- I noticed
4 that in the comments nobody commented on the fact that,
5 gee, I'd just as soon have this, what's proposed, in my
6 backyard as this other stuff that's there now. And I was
7 wondering what information had been provided to them as
8 far as being able to see the difference between what's
9 there and what it would look like.

10 MS. MARINEZ: So we did show them that
11 information at the third open house when we had our
12 alternative routes. Prior to the third open house, we
13 did receive quite a bit of comments that were just more
14 general, "Please stay away from homes. Please don't put
15 it near my home," that -- comments of that nature.

16 And then later when we had the route
17 alternatives, there were -- there were some folks who did
18 prefer alternative 3 at our -- at our final meeting and
19 from the comments we received, there were a few that were
20 supportive of alternative 3. We did get strong
21 opposition of alternative 3 -- well, I wouldn't call it
22 alternative 3, because at the time we met with San Lucas,
23 it was just any route near their neighborhood they were
24 opposed to. And I'll get into this a little bit later in
25 the presentation, too, but they did ask that the line be

1 placed at least 300 feet from them, too.

2 So -- so we got some general comments. And
3 then we did get some in support as well for our preferred
4 alternative after that third open house, where we had
5 shown our alternative routes, and we did show key
6 observation points, and we had a map, and we did walk the
7 attendees through boards that told the story you're
8 hearing today, and showed the 46-kV sub-transmission
9 line, and how the project is related to Saguaro to
10 Marana, and all of those components.

11 MEMBER LITTLE: Thank you.

12 BY MS. GRABEL:

13 Q. Ms. Marinez, may I ask a quick follow-up? Did
14 you have in your interactions with the Gladden Farms
15 neighborhood, did you explain to them how the poles would
16 transform if we upgraded the system to 146-kV?

17 A. (MS. MARINEZ) Yes, I did. I spoke to one
18 Gladden Farms representative, I believe she was on the
19 board at the second open -- or, no, the first open house,
20 and she seemed much less concerned about the line,
21 since -- because it would follow that same path, as long
22 as it wasn't a new line, she was -- I don't want to say
23 happy with it, but she was less concerned. Thank you.

24 So -- so I did have that conversation. I
25 won't -- you know, we didn't hear from the neighborhood

1 as a whole with an official position, though, I will say
2 that.

3 Q. Thank you.

4 CHMN STAFFORD: Okay. Thank you. And,
5 Mr. Bryner, just to close the loop on this whole 46-kV
6 system removal thing, so let me make sure I understand
7 this correctly. So if you were to construct alternative
8 3, you wouldn't remove -- that -- you wouldn't remove the
9 46-kV system along that route any sooner than if you did
10 any other routes?

11 MR. BRYNER: That's a tough question there,
12 Chairman Stafford. So I want to make sure I phrase it
13 right. I would say I don't think we would remove it any
14 sooner. We need to get our customers on the 138-kV
15 system. As soon as it's on the 138-kV system, then we
16 would work on building that second line and getting them
17 looped in.

18 We probably would want to try to keep that
19 that 46-kV in service as long as possible because it
20 would be the backup feed for that area in the meantime
21 while we're on a 138-kV radial now. So I would say it
22 really depends, but I don't see it being substantially
23 different, no.

24 CHMN STAFFORD: Okay. All right. And I
25 don't think -- I think it's outside kind of our purview

1 to really guess what the impact -- environmental impact
2 of removing the 46-kV system, because that's outside of
3 our jurisdiction, so I don't think we really consider
4 that. I think it's -- and we're not -- this is not NEPA,
5 we have a specific statute that tells us what to
6 consider, and I don't think the downstream effects of
7 other changes they make to their distribution system
8 figure into how we evaluate the transmission project.

9 MEMBER FONTES: Does that include cost,
10 Mr. Chairman?

11 CHMN STAFFORD: That was the thing I was
12 trying to get to, because I think it would be different
13 if the 46-kV system was going to be moved at the same
14 time as they construct the 138-kV line or just very close
15 in time to when they did it, as opposed to, say, if they
16 did a different route and they didn't do it for years. I
17 mean, I remember that came up in the Midtown Reliability
18 Project, I think you said it would take you 15 years to
19 get --to retire the 46-kV system.

20 So I think that's far enough away from the
21 installation of the line to not really consider that as a
22 cost of installing the new line, but in the case where
23 it's going to be co- -- and I can't remember if
24 you -- because I know in some places it would be
25 co-located, so those -- I seem to recall the testimony

1 was those would be the first sections of the 46-kV system
2 to be removed with the ones that would be replaced with
3 the new transmission lines. So that's why I thought,
4 well, if that's the case here, then it seems that the
5 cost -- that cost should be included in the construction
6 cost of route 3, because that 46-kV's going to be removed
7 closer in time and more the nexus between that removal
8 and the new line is much greater than, say, if you put
9 the new line in and then five years later you end up
10 removing the 46-kV system, that's a lot different than,
11 say, you do it two weeks after that line goes up is
12 energized.

13 That was the point I was making. So when
14 you're telling me it's not -- it won't make a difference,
15 the time frame to remove the 46-kV lines it isn't
16 impacted if it's going to be replaced by the new line,
17 the 138-kV line in that same section.

18 MR. BRYNER: When you phrase it like that,
19 Chairman Stafford, I do think that it would light a
20 little bit more of a fire underneath us, because we would
21 want to get the 138-kV looped in, and so if doing that
22 loop was dependent on us retiring the 46-kV, it would --
23 it would help us make it more of a priority to get it
24 done.

25 MS. GRABEL: But, Mr. Chairman, if I might

1 interject for a moment. I agree with you that what we
2 should be considering under your jurisdiction are the
3 costs that are directly impacted by the specific project
4 that you're thinking about. So it's not so much a nexus
5 in time, but the indirect effect on distribution and what
6 you undergo, and that kind of thing, it's more, like,
7 what is required because of what we're building.

8 And I think the cost of undergrounding the
9 distribution facilities or rerouting the
10 telecommunication facilities are impacted on alternative
11 route 3, because there now we have a transmission line
12 above 100-kV, which as I recall from the Midtown
13 Reliability Project we, under law, are not allowed to
14 have attachments or at least we very firmly believe as a
15 company we cannot attach to our actual transmission line
16 system, and so that's a direct impact from this project,
17 which is why perhaps the cost of that undergrounding
18 associated with alternative route 3 is jurisdictional,
19 but it would not be jurisdictional with alternative
20 routes 1 or 2, because that's a much more indirect
21 impact.

22 CHMN STAFFORD: Right. And that's -- thank
23 you, you summed up my thoughts on that pretty concisely.
24 So I guess my ask would be to -- if you did take those
25 costs into consideration for alternative route 3, what

1 would that -- how would that change the table on the
2 placemat or -- I think that was also included in the
3 application, how would that change the cost calculation
4 for that route?

5 MS. GRABEL: We can do that.

6 CHMN STAFFORD: Okay.

7 MR. BRYNER: We'll gather those costs and
8 have them for you.

9 CHMN STAFFORD: All right. Thank you.
10 Well, we're getting close to 5:00. I don't know if we're
11 going to get to Mr. Hesse today. I think we need to talk
12 about the tour, because that's going to be -- we're going
13 to do a tour. I want to do a tour. I'm pretty sure the
14 committee feels we should do a tour. I'm seeing nods
15 around. I know Member Drago is planning on being here
16 for the tour tomorrow. He has a meeting, he wouldn't be
17 here until 10:00, so I think we'd probably wait for him
18 to start the tour.

19 MS. GRABEL: That actually might work out,
20 because, Mr. Bryner, I know you raised your hand and I'll
21 let you speak in a minute, but Mr. Bryner has one slide
22 and Mr. Hesse's presentation is pretty short, and so we
23 could get through the biological and cultural resources
24 at 10:00, and then once Member Drago arrives, we could
25 get on the bus and take the tour.

1 CHMN STAFFORD: Okay.

2 MS. GRABEL: We have lunch at noon, so that
3 planning probably is perfect.

4 CHMN STAFFORD: Okay. Great. You want to
5 talk about the itinerary and the script at all before?

6 MS. GRABEL: Certainly, we'll do that.
7 Mr. Bryner, did you -- you indicated that you might want
8 to say something.

9 MR. BRYNER: I just had a couple of cleanup
10 items that if you wanted to, I can get to those.

11 CHMN STAFFORD: Please.

12 MR. BRYNER: Okay. So one was I believe it
13 was Member Fontes had the question about the docket for
14 when we cross the Central Arizona Project canal on a
15 different project, so that was Case Number 165. It was
16 our Saguaro to Tortolita 500-kV line. And it's docket
17 was L00000C-12-0139-00165.

18 And then the other question, and I don't
19 remember who brought it up, but it was about the
20 clearances and ADOT, and the railroad. So I was able to
21 get in touch with our engineering group, so NESC or
22 National Electric Safety Code, those requirements are
23 actually 22.6 feet conductor-to-ground clearance. TEP's
24 clearance requirements are 25 feet, and so that's what we
25 have put in our application is 25 feet for that minimum

1 distance.

2 So ADOT does not have any additional
3 requirements on top of that. The CAP does not have any
4 additional requirements on top of that. The UPRR, Union
5 Pacific Railroad, they do request 30 feet of clearance.
6 And so the 125-foot maximum pole height that we requested
7 is sufficient to give us those clearances,
8 ground-to-conductor clearances in any of those
9 applications.

10 CHMN STAFFORD: Thank you very much.

11 MEMBER KRYDER: Thank you.

12 CHMN STAFFORD: Any other follow-up
13 questions, Members?

14 MEMBER LITTLE: Mr. Chairman? I changed my
15 mind.

16 CHMN STAFFORD: Oh, Member Little. And
17 then after you ask your questions, I'm going to have --
18 ask Ms. Grabel to briefly talk about the tour itinerary
19 protocol.

20 MS. GRABEL: Okay.

21 CHMN STAFFORD: Member Little.

22 MEMBER LITTLE: This question perhaps
23 should -- well, could be answered by Mr. Trent and maybe
24 if you would rather wait until he's up, we can wait for
25 that. But I'm just wondering, since we did discuss the

1 letter from Staff, I had a question when I was reading
2 through here, and I'm just curious, what is the
3 difference between a SIS, System Impact Study, and the
4 TEP Transmission System Planning Performance Assessment?

5 MS. GRABEL: Thank you, Member Little. We
6 weren't planning on having Mr. Trent appear as a witness.
7 If we need to, we can certainly swear him in, but I'm
8 going to ask Mr. Bryner if he can answer that question.

9 MEMBER LITTLE: Talk about the cases, heavy
10 summer, heavy winter, do the same kinds of studies that I
11 thought, steady state analysis, transient stability,
12 short-circuit analysis, I thought those were all -- it
13 sounded to me like they're the same thing.

14 MR. BRYNER: So -- okay, Member Little, I'm
15 not an expert on this, the way I understand it, though,
16 is the System Impact Study is more of a formal report,
17 documenting the same thing. What we do is we're going
18 through those same studies, but since it's for our
19 internal purposes and planning, we don't go through that
20 extra step of putting it into a pretty report.

21 MEMBER LITTLE: Thank you.

22 CHMN STAFFORD: Ms. Grabel.

23 MS. GRABEL: Thank you, Mr. Chairman. So
24 you want me to talk about the tour itinerary script
25 protocols?

1 CHMN STAFFORD: Yes, please.

2 MS. GRABEL: All right. So this is -- if
3 you take a look at Exhibit TEP-9, that is where the tour
4 is contained.

5 Q. And I think I'm going to ask, Ms. Martinez, did
6 you prepare Exhibit TEP-9?

7 A. (MS. MARINEZ) I did.

8 Q. And how did you prepare that? How did you come
9 up with the tour narrative and determine where we're
10 going to drive?

11 A. (MS. MARINEZ) So we essentially drove the tour
12 to see -- not all the roads connect or not all the roads
13 are something we would want to drive in a bus,
14 necessarily, so we just drove and found a route that you
15 could get a good visual of each of the alternatives.

16 Q. Okay. Thank you.

17 And can you please take the committee briefly
18 through where the tour will be when we drive tomorrow?
19 And perhaps how long it will take and what the protocols
20 will be while we're on the tour?

21 A. (MS. MARINEZ) Okay. So we'll start at the Grier
22 Substation site, travel along alternative B, as it turns
23 into Lockett Road. We'll follow Lockett Road up, so
24 we'll travel alternatives 1 and 2 here, and then continue
25 on alternative 1. We'll stop outside of the cemetery,

1 here. And then we'll travel back south, turn east on
2 Hardin. And then since we can't cross the freeway there,
3 we'll just sort of take a look at where the line will
4 cross the freeway. And then we'll head south on Wentz,
5 so this is outside of the -- an alternative here as we
6 circle back to Hardin Road. This is Kirby Hughes Road,
7 so this is not part of the tour here, and then we'll head
8 back south to Marana Road. You'll get to see the
9 construction, perhaps it's already up, but when we were
10 driving it just recently it was still under construction
11 here, but you'll see Marana Road. We'll stop here at
12 this -- I don't want to call it an intersection since
13 it's a dirt road, but this spot here, and you can look
14 down to that palm tree and see the Grier Substation site
15 and see the agricultural fields.

16 And then we'll continue east, I believe we're on
17 Marana Road, I can't quite read that far on the map. And
18 then we'll head south on Wentz Road, and then we'll join
19 the alternative 3 route, and then all these spots here
20 we'll narratives that we'll read on the bus. And then
21 we'll follow that existing 46-kV line here. And then
22 we'll head up north on Postvale. We can't cross the
23 freeway here, so we'll head back north along the frontage
24 road, and then we'll cross at Marana Road. You'll get a
25 look at the San Lucas community. We'll circle around the

1 San Lucas community, and then you'll see Postvale Road,
2 and then we'll cross the CAP canal and then end at Owl
3 Head Ranch Switchyard.

4 Q. Thank you.

5 And because of ex parte communication
6 restrictions, on the bus we can't have any conversations
7 about the merits of the project, correct?

8 A. (MS. MARINEZ) Correct.

9 Q. So the only discussion that should be had on the
10 merits are actually what's contained in the narrative on
11 Exhibit TEP-9, correct?

12 A. (MS. MARINEZ) Correct.

13 MS. GRABEL: So when we get off the bus,
14 there will be various stops, the court reporter will step
15 out and you can ask any questions on the record that you
16 have.

17 Thank you.

18 CHMN STAFFORD: Thank you, Ms. Grabel.
19 Yes, I was going to reiterate that, there will be no
20 deliberations between the members on the bus. There will
21 be no questions asked of the applicant. They prepared a
22 script, so that's the only communication, and it's
23 one-way to us as we go, we can't ask follow-up questions
24 until we get to a stop, then we can ask them on the
25 record in front of the court reporter, and they'll be

1 taken down.

2 And the witnesses have already been sworn,
3 so they'll be there to answer any questions about it. I
4 would recommend everyone bring their placemat with them.
5 It's a very handy tool to orient yourself to see what's
6 going on out there in the real world when we take the
7 tour.

8 MEMBER LITTLE: Mr. Chairman?

9 CHMN STAFFORD: Yes, Member Little.

10 MEMBER LITTLE: Is the applicant going to
11 provide us with the map and the information that's on
12 Exhibit 8?

13 MS. GRABEL: Exhibit TEP-9?

14 MEMBER LITTLE: Yes, thank you, TEP-9.

15 MS. GRABEL: We can make extra copies of
16 that if you need us to, Member Little.

17 MEMBER LITTLE: I would appreciate it,
18 thank you.

19 MS. GRABEL: Certainly.

20 Q. And then, Ms. Marinez, do you want to talk about
21 what they should wear? It's very hot. We will have some
22 items to help you stay cool, but probably dress coolly --
23 I think that -- well, why don't you -- I asked you to do
24 it, and then I started doing it, so you go.

25 A. (MS. MARINEZ) That's all right.

1 It's going to be hot, so light clothing, if you
2 could. So sneakers or flat shoes. We are going to be
3 walking on uneven ground at the Grier Substation site and
4 Owl Head Ranch Switchyard site. There will be shade at
5 the Grier -- the planned Grier Substation site and -- and
6 the Owl Head Ranch Switchyard site, but no shade at the
7 cemetery. We do expect that to be a fairly quick stop,
8 though. And we'll have fans and -- paper fans and
9 cooling towels to keep you cool.

10 MS. HILL: For those of you who were on the
11 MRP tour last year, it will be a very similar situation,
12 except at least one of the stops, I guess there is paved
13 road, but, oh, no, not at the switchyard, right, so at
14 the switchyard site it's sand and dirt. So I would not
15 recommend wearing sandals, because you will come out with
16 very sandy, dirty feet.

17 MS. MARINEZ: And the substation site too,
18 so that we can get shade, we'll be under that palm tree,
19 and so you have to walk a bit to get there and there's
20 dirt there as well.

21 MEMBER KRYDER: Margaritas?

22 CHMN STAFFORD: Not during the hearing.

23 All right. And what was the estimated
24 duration of this tour, Ms. Grabel?

25 MS. GRABEL: Probably 90 minutes to

1 two hours, depending on how many questions the committee
2 members have.

3 CHMN STAFFORD: Okay. And then we'll be
4 coming back here for lunch after that?

5 MS. GRABEL: We're actually going to
6 Cracker Barrel.

7 CHMN STAFFORD: Okay. Excellent. Even
8 better.

9 All right. So the plan is to reconvene
10 here tomorrow morning at 9:00. We can start with
11 Mr. Bryner. He had some things to -- you said one slide
12 to testify to, and then we start with Mr. Hesse's
13 testimony?

14 MS. GRABEL: Correct.

15 CHMN STAFFORD: Okay. All right. Well, it
16 is now 5:02. We have public comment coming up at 5:30,
17 so we'll take a recess until 5:30. We'll come back and
18 do public comment, and then after we recess at the
19 conclusion of public comment, we will come back here to
20 this room at 9:00 a.m., hear testimony before embarking
21 on the tour at approximately 10:00 a.m.-ish, depending on
22 when Member Drago can join us.

23 So anything further?

24 (No response.)

25 CHMN STAFFORD: With that, we stand in

1 recess.

2 (Recessed from 5:03 p.m. until 5:30 p.m.)

3 CHMN STAFFORD: Let's go back on the
4 record.

5 Now's the time set for public comment in
6 Case 246. There are no members of the public present in
7 the hearing room to make comment.

8 Do we have any online or on the phone?

9 (No response.)

10 CHMN STAFFORD: It appears not.

11 We will go off the record and wait for
12 anyone to show up to make public comment. If they do, we
13 will go back on the record and take that comment. We
14 will remain here until at least 6:00 to allow the public
15 the opportunity to comment.

16 Let's go off the record.

17 (Recessed from 5:31 p.m. until 5:41 p.m.)

18 CHMN STAFFORD: All right. Let's go back
19 on the record.

20 It appears we have a caller, Mike Zipprich
21 Arcameri.

22 MR. ZIPPRICH: No, I'm fine, thank you.
23 Sorry.

24 CHMN STAFFORD: Okay. Could you please
25 state your name for the record?

1 MR. ZIPPRICH: Mike Zipprich.

2 CHMN STAFFORD: Zipprich, okay. And you do
3 not wish to make comment?

4 MR. ZIPPRICH: No, I'm sorry. I just
5 signed in. I must have hit a button by accident.

6 CHMN STAFFORD: Oh, okay. All right.
7 Thank you.

8 All right. I guess we'll go back off the
9 record and wait for anyone else to appear to make
10 comment.

11 (Recessed from 5:42 p.m. until 5:51 p.m.)

12 CHMN STAFFORD: Let's go back on the
13 record.

14 It appears that we have a caller, number
15 (602) 882-7451. Do you wish to make public comment.

16 MR. ZIPPRICH: Yeah, this is Mike Zipprich
17 again. I apologize, I thought you were having a formal
18 hearing, not formal, but a hearing this evening. I just
19 wanted to express the fact that we happen to be a very
20 large property owner on the east side of I-10 there. We
21 own about 1,600 acres, and you guys have two alternatives
22 going through our property.

23 Are you familiar with the Tortolita Village
24 property?

25 CHMN STAFFORD: Are you -- which

1 alternative are you talking about, the number 3?

2 MR. ZIPPRICH: The one that runs -- the
3 alternative 1 that shows -- that runs along the Pinal
4 County/Pima County property line; is that right?

5 CHMN STAFFORD: Okay. That would be
6 alternative 1 that runs -- the one that runs along the
7 Pinal County/Pima County border.

8 MR. ZIPPRICH: Right. Is that correct?

9 CHMN STAFFORD: Yes.

10 MR. ZIPPRICH: That bisects our property.
11 We happen to have -- we happen to have 390 acres on the
12 east side of the Pinal County border, and then we happen
13 to have another 1,300 acres on the -- I mean, on the
14 north side -- and 1,300 acres on the south side. And
15 then you've got alternative 2, right, that runs about the
16 middle of the -- approximately maybe another 3- or
17 400 acres to the south of the Pinal County line; is that
18 right?

19 CHMN STAFFORD: Do you have the map?

20 MR. ZIPPRICH: The blue lines on your map?
21 Yeah, you've got -- the yellow is alternative 1 and the
22 blue is alternative 2, correct?

23 CHMN STAFFORD: Correct.

24 MR. ZIPPRICH: Right. Yes. So I was just
25 calling in to see where -- where -- how it was going and

1 have you guys kind of -- have you guys decided or have a
2 pretty positive idea of where you think that line is
3 going to go?

4 CHMN STAFFORD: No, this is the formal
5 hearing on the application, but now is -- we're taking
6 public comment. So if you wanted to state your thoughts
7 about any specific route, now would be the time. And did
8 you -- did the court reporter get your name?

9 Can you spell your last name, please?

10 MR. ZIPPRICH: Mike Zipprich, yeah,
11 Z-i-p-p-r-i-c-h.

12 CHMN STAFFORD: Okay.

13 MEMBER DiCICCIO: Mr. Chairman?

14 MR. ZIPPRICH: I happen to be -- I'm the
15 managing partner of TMR Investors that happens to own the
16 1,600 acres that sits just 390 acres north of the county
17 line and the bounds just south of the county line in Pima
18 County.

19 CHMN STAFFORD: Okay. All right. Please
20 make your comments.

21 MEMBER DiCICCIO: Mr. Chairman?

22 CHMN STAFFORD: Yes, Mr. DiCiccio.

23 MEMBER DiCICCIO: Yes, real quick, Mike,
24 this is Sal DiCiccio, which alternative do you prefer?

25 CHMN STAFFORD: Well --

1 (Cross-talk.)

2 THE REPORTER: Hold on.

3 CHMN STAFFORD: Stop. One at a time. One
4 at a time. This is public comment. This is not a time
5 for questions and answers. This is the opportunity for
6 the public to weigh in --

7 MEMBER DiCICCIO: Oh.

8 CHMN STAFFORD: -- and say what their
9 thoughts are on the application. They can give their
10 preference or -- for any specific route or their
11 opposition to any and all alternatives. So it's not the
12 time for them to do -- for us to answer their questions
13 or them --

14 MEMBER DiCICCIO: Okay.

15 CHMN STAFFORD: -- or us to question them.
16 They're not parties, this is the time frame --

17 MEMBER DiCICCIO: Got it.

18 CHMN STAFFORD: Okay. All right. So
19 Mr. Zipner [sic] --

20 THE REPORTER: Zipprich.

21 MR. ZIPPRICH: Zipprich.

22 CHMN STAFFORD: Zipprich, okay. All right.
23 Please make your comments.

24 MR. ZIPPRICH: No, I just -- I acknowledge
25 the fact that I -- both your alternatives -- so either

1 one of them I think is preferable. I think the
2 alternative 1 is fine, alternative 2 wouldn't be so bad
3 either. So that would be my -- that's my comment.

4 CHMN STAFFORD: Okay. Thank you very much.

5 Are there any other members of the public
6 on the phone or online to make comment?

7 (No response.)

8 CHMN STAFFORD: And no one else has
9 appeared here at the hearing room? I'm looking around
10 and I'm seeing shaking heads.

11 All right. Well, let's go off the record
12 and we'll wait until 6:00 to see if anybody else shows up
13 to make comment.

14 We're off the record.

15 (Recessed from 5:55 p.m. until 6:00 p.m.)

16 CHMN STAFFORD: Let's go back on the
17 record.

18 It is now 6:00, and we have had no more
19 members of the public call in or show up at the hearing
20 to make public comment. With that, we will conclude
21 public comment for the evening, and we shall reconvene
22 here in this room at 9:00 a.m. tomorrow to hear some
23 testimony and then around 10:00 we will depart on our
24 tour of the project.

25 With that, we stand in recess.

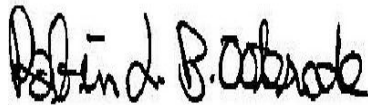
1 (The hearing recessed at 6:01 p.m.)
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1 STATE OF ARIZONA)
2 COUNTY OF MARICOPA)
3

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
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were taken down by me in shorthand and thereafter reduced
to print under my direction.

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

9 I CERTIFY that I have complied with the ethical
10 obligations set forth in ACJA 7-206(F)(3) and ACJA 7-206
11 (J)(1)(g)(1) and (2). Dated at Phoenix, Arizona, this
22nd day of June, 2025.

12
13 

14 _____
15 ROBIN L. B. OSTERODE, RPR
16 CA CSR No. 7750
AZ CR No. 50695

17 * * * * *

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

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