

ORIGINAL



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IN THE MATTER OF THE APPLICATION OF UNS  
ELECTRIC, INC., IN CONFORMANCE WITH THE  
REQUIREMENTS OF ARIZONA REVISED STATUTES  
§§ 40-360 et seq., FOR A CERTIFICATE OF  
ENVIRONMENTAL FOR A ENVIRONMENTAL  
COMPATIBILITY FOR THE VAIL TO VALENCIA 115 KV  
TO 138 KV TRANSMISSION LINE UPGRADE PROJECT,  
ORIGINATING AT THE EXISTING VAIL SUBSTATION IN  
SEC. 4, T.16S., R.15E., PIMA COUNTY, TO THE EXISTING  
VALENCIA SUBSTATION IN SEC. 5, T.24S., R.14E., IN THE  
CITY OF NOGALES, SANTA CRUZ COUNTY, ARIZONA

Arizona Corporation Commission

Docket No. L-00000F-09-0190-00144

Case #144

Notice of Filing

**Draft Version of Witness Summaries & Proposed Form of Certificate of Environmental Compatibility (Redline and Clean)**

Elizabeth Buchroeder-Webb hereby provides

1. A **draft version** of the Witness Summary of Elizabeth Webb (A complete version will be docketed prior to the evidentiary hearing upon receiving completed data requests from the applicant. I am unable to complete my witness summary as I do not know if all items on my data request to the applicant dated 15 May 2009 will be answered/clarified after a planned meet and confer with TEP/Unisource Director of Line Siting Services Ed Beck and attorneys for the applicant on 26 May 2009.

Currently; as there is not a pre-filed witness testimony by Ed Beck and very little technical information available in the pre-filed Application for discarded alternatives to the Vail Substation interconnection, I will ask for cause if items are missing from my pre-filed witness summary/testimony at the Evidentiary Hearing.

Although I received a version of the Notice of Filings of Witness Summaries and Proposed Forms of CEC's from the applicant's attorneys on Saturday, 23 May 2009, I observed that it was not available on Docket Control as of 25, 2009- nor did I receive it via email on Friday, 22 May 2009, as has become customary from the applicant's attorney. )

- 2. A redlined version of the Proposed Form of Certificate of Environmental Compatibility and
- 3. A clean version of the Proposed Form of CEC

If I am allowed to participate at Evidentiary Hearing on June 2<sup>nd</sup> 2009 as an intervener, I shall number these as EW Exhibits (including a completed Witness Summary).

Respectfully submitted via email to the following parties in the matter via email this 25 day of May 2009.

Corporation Commission Office. A copy shall also be provided to the parties in attendance at the pre-hearing procedural conference on 26 May 2009.

Tara Williams, Assistant to

John Foreman, Chairman of the Arizona Power Plant and Transmission Line Siting Committee

Charles Haines

Janice Alward, Chief Counsel, Legal Division

Jason D. Gellman

Arizona Corporation Commission  
**DOCKETED**

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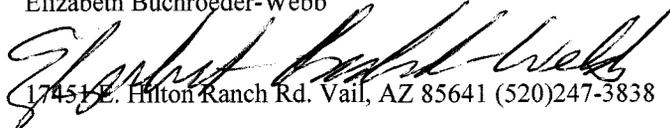
J. Matthew Derstine  
Attorneys for the Applicant

Marcus Jerden, Corporate Attorney  
Tucson Electric Power Company

Marshall Magruder, Intervener

---

Elizabeth Buchroeder-Webb



17451 E. Hilton Ranch Rd. Vail, AZ 85641 (520)247-3838

Pursuant to AAC R14-3-204

Original and 25 copies of the foregoing are filed this date with:

Docket Control (25 copies)  
Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, Arizona 85007-2927

Charles Haines  
Janice Alward, Chief Counsel, Legal Division  
12~~00~~ West Washington Street  
Phoenix, Arizona 85007

John Foreman, Chairman of the Arizona Power Plant and Transmission Line Siting Committee  
Assistant Attorney General, State of Arizona, Office of the Attorney General  
1275 West Washington Street  
Phoenix, Arizona 85007

Jason D. Gellman  
J. Matthew Derstine  
Attorney for the Applicant  
Roshka De Wulf and Patten  
One Arizona Center  
400 East Van Buren St. Suite 800  
Phoenix, AZ 85004-2262

Marcus Jerden, Corporate Attorney  
Tucson Electric Power Company  
PO Box 711  
Tucson, AZ 85711

Daniel Pozefsky, Chief Counsel  
Residential Utility Consumer Office (RUCO)  
1110 W. Washington St. Ste. 220  
Phoenix AZ 85007-2958

Marshall Magruder, Intervener  
PO Box 1267  
Tubac, Arizona 85646-1267

Marta T. Hetzer  
Arizona Reporting Service, Inc.  
2200 North Central Avenue  
Phoenix, Arizona 85004-1481

DRAFT

WITNESS SUMMARY

OF

ELIZABETH BUCHROEDER WEBB

Vail to Valencia 115kV to 138 kV  
Transmission Line Upgrade Project  
Docket No. L-00000F-09-0190-00144  
Case # 144

**DRAFT** Witness Summary: Elizabeth Buchroeder-Webb

Ms. Webb will testify about her concerns about this project and her proposed conditions

Specifically, Ms. Webb will discuss how:

1. There was not "active, aggressive and upfront outreach" to the communities of Vail and Corona de Tucson in this project.
2. Alternative routes and options to the Vail Substation interconnection were not actively discussed with the public. (aside from the two in the application)
3. This project benefits or is a detriment to Tucson Electric Power.
4. This project relates to the regional transmission grid.
5. Appropriate monopole color choices

Elizabeth Webb's experiences include Vail and Pima County energy issues as a civilian intervener in TEP Line Site Case 138 and City of Tucson Case SE-08-05 TEP Cienega Substation Dawn Drive RH Zone (Ward 4). Ms Webb is a community volunteer in local historic, cultural, educational, environmental issues as well as a member of the Vail Preservation Society and the Hilton Ranch Community Association. Additionally, she is a 2005-2006 graduate of Partners in Policymaking, a program designed for individuals who have a disability and for parents raising children with a disability. PiP is an innovative leadership training program that teaches people to be community leaders, and to affect systems and policy change at the local, state and national levels.

Ms. Webb will first discuss the issue of community involvement to include the lack of an Open House in Vail or Corona de Tucson and provide documentation which will be labeled as separate EW exhibits at the Evidentiary Hearing.

She will then discuss the lack of invitation to herself as a potential intervener, with documentation of her interest in this project and regional transmission planning. She will then discuss a solution (condition) to fulfilling Commissioner (now Chairman) Mayes' directive ""There has to be aggressive, upfront outreach to communities on all of these line siting cases" \* Case 137 8/18/2008 P. 262

Next, (and this can be combined with the following paragraph) there will be very brief mention on confusion over lack of power source alternatives in the application for the Vail interconnection. Clearly, in Line Site Case 137 the commissioners asked for more alternatives in the future. There may be photos which would be entered as EW exhibits if the answers received in the meeting with Mr. Beck after the procedural conference are not satisfactory.

Next, Ms. Webb hopes to discuss the impacts of the Vail Substation Interconnection on TEP customers and Vail/Corona de Tucson residents. Currently her data requests have not been completely filled and clarification is sought in some answers. Ms. Webb prefers

not to speculate on her Witness Summary or Testimony until receiving complete data requests. Also, as there is very little information on the WAPA alternative in the CEC application and Mr. Beck's witness testimony has not been pre-filed it is difficult to form a witness summary or Again, a solution via a condition will be offered to help with communication and outreach to communities.

Next, Ms. Webb will discuss future development by private entities and state governments in the vicinity of the project. This is related to the regional grid. She has not received a response to one very relevant data request in regard to this discussion and does not know if she will or not. She is awaiting clarification on another data request. Ms. Webb prefers not speculate on her Witness Summary or Testimony until receiving complete data requests. She will again, offer a solution via a condition in the CEC to help with communication and outreach to communities.

A very simple condition will be discussed next. That is one of monopole color and appropriate siting in the visual environment- galvanized steel versus dark weathering steel against the sky, distant mountains and existing structures.

Ms. Webb's testimony will be aided a PowerPoint presentation and possibly foam board exhibits that will be marked as a separate exhibits. Copies will be available to the committee, interveners, the applicant and others as needed. Ms. Webb may also make use of others' previously entered/accepted exhibits or previously docketed items during her testimony.

**REDLINED VERSION OF  
PROPOSED FORM OF  
CERTIFICATE OF COMPATIBILITY**

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**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION OF UNS  
ELECTRIC, INC. FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY FOR THE VAIL TO  
VALENCIA 115 KV TO 138 KV TRANSMISSION LINE  
UPGRADE PROJECT, ORIGINATING AT THE EXISTING  
VAIL SUBSTATION IN SEC. 4, T.16S., R.15E., PIMA  
COUNTY, TO THE EXISTING VALENCIA SUBSTATION IN  
SEC. 5, T.24S., R.14E., IN THE CITY OF NOGALES, SANTA  
CRUZ COUNTY, ARIZONA.

Docket No. L-00000F-09-0190-00144  
Case No. 144

**CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

Pursuant to notice given as provided by law, the Arizona Power Plant and Transmission Line Siting Committee (the "Committee") held public hearings on June 2, 3, 4, 2009 in Rio Rico, all in conformance with the requirements of Arizona Revised Statutes ("A.R.S.") § 40-360, *et seq.*, for the purpose of receiving evidence and deliberating on the Application of UNS Electric, Inc. ("Applicant") for a Certificate of Environmental Compatibility ("CEC") in the above-captioned case (the "Project").

The following members and designees of members of the Committee were present at one or more of the hearings for the evidentiary presentations and/or for the deliberations:

- |                         |  |
|-------------------------|--|
| John Foreman            | Chairman, Designee for Arizona Attorney General Terry Goddard            |
| David L. Eberhart, P.E. | Designee for Chairman, Arizona Corporation Commission                    |
| Paul Rasmussen          | Designee for Director, Arizona Department of Environmental Quality       |
| Jessica Youle           | Designee for Director, Energy Department, Arizona Department of Commerce |
| Jeff Maguire            | Appointed Member   |
| Bill Mundell            | Appointed Member   |
| Patricia Noland         | Appointed Member   |
| Michael Palmer          | Appointed Member   |
| Michael Whalen          | Appointed Member   |
| Barry Wong              | Appointed Member   |

1 The Applicant was represented by J. Matthew Derstine and Jason D. Gellman of Roshka, DeWulf & Patten, PLC, and  
2 Marcus G. Jerden of UniSource Energy Corporation. The following parties were granted intervention pursuant to A.R.S. § 40-  
3 360.05: Marshall Magruder and Elizabeth Webb, both in pro persona.

4 At the conclusion of the hearings, the Committee, having received the Application, the appearances of the parties, the  
5 evidence, testimony and exhibits presented at the hearings, and being advised of the legal requirements of A.R.S. §§ 40-360 to 40-  
6 360.13, upon motion duly made and seconded, voted ~~X to X~~ to grant the Applicant this CEC (Case No. 144) for the Project to  
7 rebuild the existing 115 kV transmission line as a 138 kV transmission line and interconnect that transmission line to the Vail  
8 Substation as set forth in the Application.

9 The Project as approved consists of approximately 57.8 miles of 138 kV transmission line and ancillary facilities along  
10 the route as described below. The Project starts at the Vail Substation, and ends at the Valencia Substation. A legal description  
11 and general location map of the Project is attached as Exhibit A.

12 ~~As explained in the Project Application, the Project will:~~

- 13 • Interconnect the northern end of the line with a major import substation (the Vail 345/138 kV Substation)  
14 instead of the Nogales Tap
- 15 ~~□ Interconnect the northern end of the line with a major import substation (the Vail 345/138 kV Substation) instead of~~  
16 ~~the Nogales Tap.~~
- 17 • Upgrade the voltage of the existing 115 kV line to 138 kV.
- 18 • Replace aging wooden H-frame structures with steel monopoles.

19  
20 As explained in the Project Application, the Project Alignment (the route granted for the Project in this CEC), consisting  
21 of a 500-foot-wide planning corridor except where noted, and as more further described in attached Exhibit A and the Application,  
22 is as follows:

23  
24 The Project Alignment originates from the Vail Substation in Section 4, Township 16 South, Range 15 East. The Project  
25 Alignment then extends westerly parallel to TEP's Vail-Robert Bills (138 kV) and Vail-Irvington (138 kV) lines along an access  
26 road which is an east extension of the Old Vail Connection Road to where Old Vail Connection Road intersects Wilmot Road (2.3  
27 miles). At this intersection, the Alignment turns south extending to the Nogales Tap and interconnects to the existing line (1.5

1 miles). From that interconnection, the alignment then continues south to the Kantor Substation (27.8 miles) utilizing the existing  
2 line that was previously rebuilt in accordance in the Application in Line Siting Case No. 78 and approved in Decision No. 56097  
3 (July 6, 1988). No improvements, pole replacements, or construction are necessary therein and the existing line in this portion is  
4 hereby designated for operation at 138 kV.

5 The Project Alignment leaves the Kantor Substation southerly along the foothills of the Santa Rita Mountains east of the  
6 Santa Cruz River. South of Josephine Canyon, the Project Alignment drops out of the foothills and into the Santa Cruz River  
7 Valley (11.8 miles). To this point from the Nogales Tap the Project Alignment follows the alignment for the existing 115 kV  
8 transmission line. North of the intersection of that existing 115 kV transmission line alignment and Pendleton Drive, the Project  
9 Alignment deviates from the existing 115 kV transmission line alignment and shifts 0.2 miles to the easterly edge of the UPRR  
10 right-of-way.

11 The Project Alignment then continues paralleling the UPRR right-of-way to the Cañez Substation (1.8 miles), and then  
12 continuing southerly adjacent to the UPRR in the Santa Cruz River Valley (3.4 miles). Near the intersection of Pendleton Drive  
13 and Avenida Coatimundi, the alignment shifts from the UPRR right-of-way and parallels Avenida Coatimundi east to the Sonoita  
14 Substation (0.3 miles).

15 The Project Alignment extends southerly out of the Sonoita Substation along the existing line across Sonoita Creek and  
16 the Santa Cruz River to Old Tucson Road, and then parallels Old Tucson Road to a point near the intersection with Grand Avenue  
17 (5.9 miles).

18 At the intersection of Old Tucson Road and Grand Avenue, the line departs from the existing line to proceed east of and  
19 parallel to Grand Avenue on the east side of Nogales Wash through an industrial area (0.9 miles). The Project Alignment then  
20 returns to the existing line alignment near where Frank Reed Road intersects Grand Avenue, and continues south, along the west  
21 side of the Santa Cruz County Complex (0.8 miles) The Alignment then shifts east and passes through the Preston Mobile Home  
22 Park (0.3 miles) with a 1250-foot-wide planning corridor for this course only.

23 The Project Alignment then turns to the south through the Mariposa Mall, across Mariposa Road, and through the Loma  
24 Linda Shopping Center (0.4 miles). The Project Alignment continues on the existing line's alignment and turns to the east,  
25 entering the Valencia Substation located in Section 5, Township 24 South, Range 13 East (0.4 miles).

26 The Project will replace the existing wooden H-frame structures with steel monopoles as described in the Application.  
27 Steel monopoles will also be used between Vail Substation and the Nogales Tap; the existing transmission line portion constructed

1 pursuant to Line Siting Case No. 78 is already on steel monopoles.

2 **CONDITIONS**

3 This Certificate is granted upon the following conditions:

- 4 1. The Applicant shall obtain all approvals and permits required by the United States, the State of Arizona,  
5 Pima County, Santa Cruz County, the City of Tucson, the City of Nogales, the City of Sahuarita and any  
6 other governmental entities having jurisdiction necessary to construct the Project.
- 7 2. The Applicant shall comply with all existing applicable statutes, ordinances, master plans and regulations of  
8 the United States, the State of Arizona, Pima County, Santa Cruz County, the City of Tucson, the City of  
9 Nogales, the City of Sahuarita, the City of Tucson, the City of Nogales~~the County of {county}~~, and any other  
10 governmental entities having jurisdiction during the construction and operation of the transmission line  
11 ~~{power plant}~~.
- 12 3. If any archaeological, paleontological or historical site or object that is at least fifty years old is discovered  
13 on state, county or municipal land during the construction or operation of the transmission line  
14 ~~{power plant}~~, the Applicant or its representative in charge shall promptly report the discovery to the  
15 Director of the Arizona State Museum, and in consultation with the Director, shall immediately take all  
16 reasonable steps to secure and maintain the preservation of the discovery as required under A.R.S. § 41-844.
- 17
- 18 4. If human remains and/or funerary objects are encountered on private land during the course of any  
19 ground-disturbing activities relating to the construction or operation of the transmission line ~~{power~~  
20 ~~plant}~~, the Applicant shall cease work on the affected area of the Project and notify the Director of the  
21 Arizona State Museum as required under A.R.S. § 41-865.
- 22 5. The Applicant shall comply with the notice and salvage requirements of the Arizona Native  
23 Plant Law (A.R.S. §§ 3-901 et seq. as applicable) and shall, to the extent feasible, minimize the destruction of  
24 native plants during the construction and operation of the transmission line ~~{power plant}~~.
- 25 6. The Applicant shall not assign this Certificate or its interest in the Project authorized by this Certificate  
26 unless both Applicant (as Transferor/Assignor) and Transferee/Assigned has signed a "Notice of  
27 Transfer of Certificate of Environmental Compatibility" ("Notice") as required under A.R.S. § 40-

1 360.08(A) and A.A.C. R14-3-213(F). That Notice must be filed in this Docket. Transferee/Assignee, as  
2 part of acquiring any interest in the Project, must agree to comply with all terms, limitations and  
3 conditions contained within this Certificate originally issued to Applicant by the Arizona Power Plant  
4 and Transmission Line Siting Committee and approved and/or issued by the Arizona Corporation  
5 Commission. without prior approval of the Commission. Any assignment of this Certificate shall  
6 require the assignee to assume all responsibilities of the Applicant listed in this Certificate.

7 7. This authorization to construct this Project shall expire five years from the date the Certificate is approved  
8 by the Commission unless the transmission line ~~[power plant]~~ is capable of operation. However, prior to  
9 expiration, the Applicant or its assignees may request that the Commission extend this time limitation.

10 8. In the event that the Project requires an extension of the term of this Certificate prior to completion of  
11 construction, Applicant shall use reasonable means to notify all landowners, neighborhood  
12 associations registered with the local governing jurisdiction, and residents within one mile of the  
13 Project corridor ~~[location]~~, all persons who made public comment at this proceeding, and all parties to this  
14 proceeding of the request, and Applicant will provide the time and place of the hearing in which the  
15 Commission will consider ~~its~~ the request for extension. [CONDITION 7 IN CASE 137 DECISION NO.  
16 70469]

17 9. The Applicant shall make every reasonable effort to identify and correct, on a case-specific basis, all  
18 complaints of interference with radio or television signals from operation of the transmission lines and related  
19 facilities addressed in this Certificate. The Applicant shall maintain written records for a period of five years  
20 of all complaints of radio or television interference attributable to operation, together with the corrective  
21 action taken in response to each complaint. All complaints shall be recorded to include notations on the  
22 corrective action taken. Complaints not leading to a specific action or for which there was no resolution shall  
23 be noted and explained.

24 10. Within 120 days of the Commission decision granting this Certificate, Applicant will post signs in public  
25 rights-of-way giving notice of the Project corridor to the extent authorized by law. The Applicant shall place  
26 signs in prominent locations at reasonable intervals such that the public is notified along the full length of the  
27 transmission line until the transmission structures are constructed. To the extent practicable, within 45 days of

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securing easement or right-of-way for the Project, the Applicant shall erect and maintain signs providing public notice that the property is the site of a future transmission line. Such signage shall be no smaller than a normal roadway sign. The signs shall advise:

- (a) That the site has been approved for the construction of Project facilities;
- (b) The expected date of completion of the Project facilities;
- (c) A phone number for public information regarding the Project;
- (d) The name of the Project;
- (e) The name of the Applicant; and
- (f) The website of the Project.

11. Applicant, or its assignee(s), shall design the transmission lines to incorporate reasonable measures to minimize impacts to raptors.

12. Applicant, or its assignee(s), shall use non-specular conductor and dulled surfaces for transmission line structures.

In Segment 1A. If the preferred alternative is chosen, a dulled Galvanized steel finish along the portion which parallels Old Vail Connection to the Vail Substation, adjacent to the existing lattice structures.

If the other alternative is chosen for segment 1A, dulled galvanized steel for any new transmission structures.

13. Before construction on this Project may commence, the Applicant shall file a construction mitigation and restoration plan ("Plan") with ACC Docket Control. Where practicable, the Plan shall specify the Applicant's plans for construction access and methods to minimize impacts to wildlife and to minimize vegetation disturbance outside of the Project right-of-way particularly in drainage channels and along stream banks, and shall re-vegetate, unless waived by the landowner, native areas of construction disturbance to its preconstruction state outside of the power-line right of way after construction has been completed. The Plan shall specify the Applicant's plans for coordination with the Arizona Game and Fish Department and the State Historic Preservation Office. The Applicant shall use existing roads for construction and access where practicable and the Plan shall specify the manner in which the Applicant makes use of existing roads.

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- 14. With respect to the Project, Applicant shall participate in good faith in state and regional transmission study forums to coordinate transmission expansion plans related to the Project and to resolve transmission constraints in a timely manner.
- 15. The Applicant shall provide copies of this Certificate to the City of Tucson, the City of Sahuarita, the City of Nogales, Pima County, Santa Cruz County, [all affected governmental entities, e.g., affected cities and counties, the Arizona State Land Department, the State Historic Preservation Office, and the Arizona Game and Fish Department].
- 16. Prior to the date construction commences on this Project, the Applicant shall provide known homebuilders, neighborhood associations registered with the local governing jurisdiction, and developers of record, within one mile of the center line of the Certificated Project Alignment ~~route [power plant]~~ the identity, location, and a pictorial depiction of the type of power line ~~[plant]~~ being constructed, accompanied by a written description, and encourage the developers and homebuilders to include this information in the developers' and homebuilders' homeowners' disclosure statements. [SEE CONDITION 6 IN CASE 137 DECISION NO. 70649].
- 17. Before commencing construction of Project facilities located parallel to and within 100 feet of any existing natural gas or hazardous liquid pipeline, the Applicant shall:
  - (a) Perform the appropriate grounding and cathodic protection studies to show that the Project's location parallel to and within 100 feet of such pipeline results in no material adverse impacts to the pipeline or to public safety when both the pipeline and the Project are in operation. If material adverse impacts are noted in the studies, Applicant shall take appropriate steps to ensure that such material adverse impacts are mitigated. Applicant shall provide to Commission Staff reports of studies performed; and
  - (b) Perform a technical study simulating an outage of the Project that may be caused by the collocation of the Project parallel to and within 100 feet of the existing natural gas or hazardous liquid pipeline. This study should either: i) show that such outage does not result in customer outages; or ii) include operating plans to minimize any resulting customer outages. Applicant shall provide a copy of this study to Commission Staff.

- 1 18. Applicant will follow the latest Western Electricity Coordinating Council/North American Electric Reliability  
2 Corporation Planning standards as approved by the Federal Energy Regulatory Commission, and National  
3 Electrical Safety Code construction standards.
- 4 19. The Applicant shall submit a self-certification letter annually, identifying progress made with respect to each  
5 condition contained in the Certificate, including which conditions have been met. Each letter shall be submitted  
6 to the Docket Control of the Arizona Corporation Commission on ~~September~~ December 1 beginning in  
7 ~~2010~~2009. Attached to each certification letter shall be documentation explaining how compliance with each  
8 condition was achieved. Copies of each letter along with the corresponding documentation shall be submitted  
9 to the Arizona Attorney General and Department of Commerce Energy Office. The requirement for the self-  
10 certification shall expire on the date the Project is placed into operation.
- 11 20. Within sixty (60) days of the Commission decision granting this Certificate, the Applicant shall make  
12 good faith efforts to commence discussions with private landowners, on whose property the Project  
13 Alignment~~corridor~~ is located, to identify the specific location for the Project's right-of-way and placement  
14 of poles.
- 15 21. The Applicant shall expeditiously pursue reasonable efforts to work with private landowners on whose  
16 property the Project right-of-way will be located, to mitigate the impacts of the location, construction, and  
17 operation of the Project on private land.
- 18 22. The Certificate does not grant to the Applicant to right to construct a second circuit in Segment 1B – the  
19 existing line approved in Decision No. 56097 (July 6, 1988) on single steel poles that is currently  
20 operating at 115 kV. As explained in the Application under Line Siting Case No. 78, that line is designed  
21 to be able to operate at 138 kV. This Certificate recognizes that, as part of the Vail to Valencia 115 kV to  
22 138 kV Transmission Line Upgrade Project, the existing line in Segment 1B will now operate at 138 kV.

23  
24 23. TEP in the Southeast Area Transmission Study region and UNS Electric in Santa Cruz County, shall establish/re-  
25 establish a Citizens Advisory Council. Each CAC shall meet at least quarterly, have an agenda sent out at least 10 days  
26 prior to each meeting, post minutes on the utility's website, and work closely with community organizations through  
27 their CAC to continually inform the public, obtain feedback on proposed programs or issues of concern, and interact at

1 the local level. Each CAC shall have at least 25 members, with the utility continually recommending interested persons  
2 to join with at least 25 active members from the community. Each utility will support its CAC with presentations,  
3 speakers, meeting locations, mailed agenda, minutes, website, and preside over each meeting.

4  
5 The ACC shall be invited to attend and this docket to receive both annually, a copy of all agenda, minutes and list of  
6 community members. All meetings will be open to the public. Notices in local newspapers announcing specific  
7 presentations, such as implementation of a new DSM program at a CAC meeting are encouraged.

8  
9 In the Southeast Area Study region the community organizations invited to sent a representative shall include  
10 Supervisor District Four, The Vail Preservation Society or another historical organization, Corona de Tucson Fire  
11 Department or another emergency responder in the area, The Vail School District, a minimum of two local  
12 environmental groups, a minimum of two registered neighborhood associations (Santa Rita Foothills Community  
13 Association, Hilton Ranch Rd. Community Association?), a minimum of 2 representatives from the Sonoita area etc. and  
14 any local individual customer of the utility.

15 Similarly, in Santa Cruz County, UNS Electric and UNS Gas will invite representative from the Santa Cruz County  
16 Districts 1, 2, and 3; City of Nogales, Nogales Lions Club, Nogales/Santa Cruz Chamber of Commerce, Rio Rico  
17 Chamber of Commerce, Tubac Chamber of Commerce, Santa Cruz Valley Citizens Council, Rio Rico Property Owners  
18 Association, Santa Cruz Valley Unified School District, Baca Float Coalition, Zonta, Nogales Women's Club, Nogales  
19 Public School District, Tubac Rotary, Produce Association, SEAGO, Primeria Alta Historical Society, Fred Lawrence  
20 Whipple Observatory, Rio Rico Properties, ARC Southern Arizona Chapter, Burns Realty, Bracker's Department Store,  
21 Doyle Exterminating and Fumigating, Cropper's Auto Center, Escaltada's Inc., Mariposa Community Health Center  
22 and any local interested customer of the utility.

23  
24 **FINDINGS OF FACT AND CONCLUSIONS OF LAW**

25 This Certificate incorporates the following findings of fact and conclusions of law:

- 26 1. The Project is in the public interest because it aids the state in meeting the need for an adequate, economical and  
27 reliable supply of electric power.

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1.2. In balancing the need for the Project with its effect on the environment and ecology of the state, the conditions placed on the CEC by the Committee effectively minimize its impact on the environment and ecology of the state.

2.3. The conditions placed on the CEC by the Committee resolve matters concerning the need for the Project and its impact on the environment and ecology of the state raised during the course of proceedings, and as such, serves as the findings on the matters raised.

4. In light of these conditions, the balancing in the broad public interest results in favor of granting the CEC.

DATED this \_\_\_ day of \_\_\_\_\_ 2009.

**THE ARIZONA POWER PLANT AND TRANSMISSION LINE  
SITING COMMITTEE**

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Hon. John Foreman, Chairman

**Exhibit A**

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A transmission line corridor, with the centerline, as determined from Arizona State Plane Coordinate mapping, more particularly described as follows:

Beginning at **Vail Substation**, at grid coordinate (X) 1041085.39, (Y) 391274.36, of Central Zone of Arizona State Plane Coordinate System 1983, and to which National Geodetic Survey point PUMP (PID - CZ0252) bears South 42 degrees 20 minutes 38 seconds West, 4,870.50 feet;

thence North 88 degrees 44 minutes 54 seconds West, 307.61 feet;

thence North 60 degrees 17 minutes 58 seconds West, 1,037.36 feet;

thence North 00 degrees 07 minutes 58 seconds West, 1,017.67 feet;

thence South 89 degrees 32 minutes 32 seconds West, 11,891.07 feet;

thence South 05 degrees 40 minutes 55 seconds West, 1,744.96 feet;

thence South 00 degrees 34 minutes 52 seconds East, 6,224.41 feet to a point in **Nogales Tap Substation**;

thence South 00 degrees 34 minutes 52 seconds East, 50,753.00 feet;

thence South 34 degrees 21 minutes 34 seconds West, 95,891.68 feet;

thence South 88 degrees 34 minutes 55 seconds West, 121.34 feet to a point in **Kantor Substation**;

thence South 03 degrees 13 minutes 57 seconds East, 158.25 feet;

thence South 21 degrees 14 minutes 55 seconds East, 22,453.78 feet;

thence South 00 degrees 29 minutes 36 seconds East, 9,011.69 feet;

thence South 19 degrees 02 minutes 10 seconds West, 1,725.59 feet;

thence South 00 degrees 29 minutes 28 seconds East, 12,408.16 feet;

thence South 12 degrees 35 minutes 44 seconds East, 2,722.98 feet;

thence South 00 degrees 28 minutes 50 seconds East, 13,826.04 feet;

thence South 56 degrees 02 minutes 44 seconds West, 1,101.12 feet to the beginning of a non-tangent curve concave to the southwest, having a radius of 5,853.84 feet, and to which a radial line bears North 47 degrees 55 minutes 45 seconds East;

thence southeasterly 2,370.68 feet along said curve through a central angle of 23 degrees 12 minutes 13 seconds;

thence South 18 degrees 52 minutes 02 seconds East, 5,858.00 feet to a point 172 feet westerly of the west side of **Cañez Substation**;

thence South 18 degrees 52 minutes 02 seconds East, 12,393.42 feet to the beginning of a curve concave to the northeast and having a radius of 5,553.78 feet;

thence southeasterly 3,974.97 feet through a central angle of 41 degrees 00 minutes 28 seconds;

thence South 59 degrees 52 minutes 30 seconds East, 1,369.94 feet;

thence North 64 degrees 22 minutes 52 seconds East, 1,337.41 feet to a point 63 feet southerly of the south side of **Sonoita Substation**;

thence South 25 degrees 54 minutes 45 seconds East, 2,434.49 feet;

1 thence South 18 degrees 53 minutes 51 seconds East, 6,598.53 feet;  
2 thence South 37 degrees 22 minutes 02 seconds East, 6,610.08 feet;  
3 thence South 00 degrees 35 minutes 23 seconds East, 7,555.17 feet;  
4 thence South 30 degrees 26 minutes 05 seconds West, 1,143.95 feet;  
5 thence South 03 degrees 55 minutes 22 seconds East, 3,724.62 feet;  
6 thence South 17 degrees 58 minutes 34 seconds East, 3,169.01 feet;  
7 thence South 79 degrees 39 minutes 56 seconds East, 1,303.27 feet;  
8 thence South 43 degrees 47 minutes 11 seconds East, 1,683.12 feet;  
9 thence South 04 degrees 49 minutes 19 seconds West, 1,849.85 feet;  
10 thence South 00 degrees 35 minutes 14 seconds East, 3,980.53 feet;  
11 thence North 74 degrees 35 minutes 02 seconds East, 1,332.75 feet;  
12 thence South 01 degrees 13 minutes 18 seconds East, 1,873.85 feet;  
13 thence North 88 degrees 43 minutes 12 seconds East, 2,191.97 feet to the terminus of said centerline at **Valencia Substation**, at  
14 grid coordinate (X) 1007459.01, (Y) 133493.23, of said Central Zone, and to which National Geodetic Survey point M423 (PID -  
15 CG0883) bears South 23 degrees 09 minutes 01 seconds East, 34,502.53 feet.

16 Said centerline is 57.785 miles in length, more or less.

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CLEAN VERSION OF  
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**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION OF UNS  
ELECTRIC, INC. FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY FOR THE VAIL TO  
VALENCIA 115 KV TO 138 KV TRANSMISSION LINE  
UPGRADE PROJECT, ORIGINATING AT THE EXISTING  
VAIL SUBSTATION IN SEC. 4, T.16S., R.15E., PIMA  
COUNTY, TO THE EXISTING VALENCIA SUBSTATION IN  
SEC. 5, T.24S., R.14E., IN THE CITY OF NOGALES, SANTA  
CRUZ COUNTY, ARIZONA.

Docket No. L-00000F-09-0190-00144  
Case No. 144

**CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

Pursuant to notice given as provided by law, the Arizona Power Plant and Transmission Line Siting Committee (the "Committee") held public hearings on June 2, 3, 4, 2009 in Rio Rico, all in conformance with the requirements of Arizona Revised Statutes ("A.R.S.") § 40-360, *et seq.*, for the purpose of receiving evidence and deliberating on the Application of UNS Electric, Inc. ("Applicant") for a Certificate of Environmental Compatibility ("CEC") in the above-captioned case (the "Project").

The following members and designees of members of the Committee were present at one or more of the hearings for the evidentiary presentations and/or for the deliberations:

- |                         |  |
|-------------------------|--|
| John Foreman            | Chairman, Designee for Arizona Attorney General Terry Goddard            |
| David L. Eberhart, P.E. | Designee for Chairman, Arizona Corporation Commission                    |
| Paul Rasmussen          | Designee for Director, Arizona Department of Environmental Quality       |
| Jessica Youle           | Designee for Director, Energy Department, Arizona Department of Commerce |
| Jeff Maguire            | Appointed Member   |
| Bill Mundell            | Appointed Member   |
| Patricia Noland         | Appointed Member   |
| Michael Palmer          | Appointed Member   |
| Michael Whalen          | Appointed Member   |
| Barry Wong              | Appointed Member   |

1 The Applicant was represented by J. Matthew Derstine and Jason D. Gellman of Roshka, DeWulf & Patten, PLC, and  
2 Marcus G. Jerden of UniSource Energy Corporation. The following parties were granted intervention pursuant to A.R.S. § 40-  
3 360.05: Marshall Magruder and Elizabeth Webb, both in pro persona.

4 At the conclusion of the hearings, the Committee, having received the Application, the appearances of the parties, the  
5 evidence, testimony and exhibits presented at the hearings, and being advised of the legal requirements of A.R.S. §§ 40-360 to 40-  
6 360.13, upon motion duly made and seconded, voted [REDACTED] to grant the Applicant this CEC (Case No. 144) for the Project to  
7 rebuild the existing 115 kV transmission line as a 138 kV transmission line and interconnect that transmission line to the Vail  
8 Substation as set forth in the Application.

9 The Project as approved consists of approximately 57.8 miles of 138 kV transmission line and ancillary facilities along  
10 the route as described below. The Project starts at the Vail Substation, and ends at the Valencia Substation. A legal description  
11 and general location map of the Project is attached as Exhibit A.

12 The Project will:

- 13 • Interconnect the northern end of the line with a major import substation (the Vail 345/138 kV Substation)  
14 instead of the Nogales Tap
- 15 • Upgrade the voltage of the existing 115 kV line to 138 kV.
- 16 • Replace aging wooden H-frame structures with steel monopoles.

17  
18 As explained in the Project Application, the Project Alignment (the route granted for the Project in this CEC), consisting  
19 of a 500-foot-wide planning corridor except where noted, and as more further described in attached Exhibit A and the Application,  
20 is as follows:

21  
22 The Project Alignment originates from the Vail Substation in Section 4, Township 16 South, Range 15 East. The Project  
23 Alignment then extends westerly parallel to TEP's Vail-Robert Bills (138 kV) and Vail-Irvington (138 kV) lines along an access  
24 road which is an east extension of the Old Vail Connection Road to where Old Vail Connection Road intersects Wilmot Road (2.3  
25 miles). At this intersection, the Alignment turns south extending to the Nogales Tap and interconnects to the existing line (1.5  
26 miles). From that interconnection, the alignment then continues south to the Kantor Substation (27.8 miles) utilizing the existing  
27 line that was previously rebuilt in accordance in the Application in Line Siting Case No. 78 and approved in Decision No. 56097

1 (July 6, 1988). No improvements, pole replacements, or construction are necessary therein and the existing line in this portion is  
2 hereby designated for operation at 138 kV.

3 The Project Alignment leaves the Kantor Substation southerly along the foothills of the Santa Rita Mountains east of the  
4 Santa Cruz River. South of Josephine Canyon, the Project Alignment drops out of the foothills and into the Santa Cruz River  
5 Valley (11.8 miles). To this point from the Nogales Tap the Project Alignment follows the alignment for the existing 115 kV  
6 transmission line. North of the intersection of that existing 115 kV transmission line alignment and Pendleton Drive, the Project  
7 Alignment deviates from the existing 115 kV transmission line alignment and shifts 0.2 miles to the easterly edge of the UPRR  
8 right-of-way.

9 The Project Alignment then continues paralleling the UPRR right-of-way to the Cañez Substation (1.8 miles), and then  
10 continuing southerly adjacent to the UPRR in the Santa Cruz River Valley (3.4 miles). Near the intersection of Pendleton Drive  
11 and Avenida Coatimundi, the alignment shifts from the UPRR right-of-way and parallels Avenida Coatimundi east to the Sonoita  
12 Substation (0.3 miles).

13 The Project Alignment extends southerly out of the Sonoita Substation along the existing line across Sonoita Creek and  
14 the Santa Cruz River to Old Tucson Road, and then parallels Old Tucson Road to a point near the intersection with Grand Avenue  
15 (5.9 miles).

16 At the intersection of Old Tucson Road and Grand Avenue, the line departs from the existing line to proceed east of and  
17 parallel to Grand Avenue on the east side of Nogales Wash through an industrial area (0.9 miles). The Project Alignment then  
18 returns to the existing line alignment near where Frank Reed Road intersects Grand Avenue, and continues south, along the west  
19 side of the Santa Cruz County Complex (0.8 miles) The Alignment then shifts east and passes through the Preston Mobile Home  
20 Park (0.3 miles) with a 1250-foot-wide planning corridor for this course only.

21 The Project Alignment then turns to the south through the Mariposa Mall, across Mariposa Road, and through the Loma  
22 Linda Shopping Center (0.4 miles). The Project Alignment continues on the existing line's alignment and turns to the east,  
23 entering the Valencia Substation located in Section 5, Township 24 South, Range 13 East (0.4 miles).

24 The Project will replace the existing wooden H-frame structures with steel monopoles as described in the Application.  
25 Steel monopoles will also be used between Vail Substation and the Nogales Tap; the existing transmission line portion constructed  
26 pursuant to Line Siting Case No. 78 is already on steel monopoles.

27 **CONDITIONS**

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This Certificate is granted upon the following conditions:

1. The Applicant shall obtain all approvals and permits required by the United States, the State of Arizona, Pima County, Santa Cruz County, the City of Tucson, the City of Nogales, the City of Sahuarita and any other governmental entities having jurisdiction necessary to construct the Project.
2. The Applicant shall comply with all existing applicable statutes, ordinances, master plans and regulations of the United States, the State of Arizona, Pima County, Santa Cruz County, the City of Tucson, the City of Nogales, the City of Sahuarita and any other governmental entities having jurisdiction during the construction and operation of the transmission line.
3. If any archaeological, paleontological or historical site or object that is at least fifty years old is discovered on state, county or municipal land during the construction or operation of the transmission line, the Applicant or its representative in charge shall promptly report the discovery to the Director of the Arizona State Museum, and in consultation with the Director, shall immediately take all reasonable steps to secure and maintain the preservation of the discovery as required under A.R.S. § 41-844.
4. If human remains and/or funerary objects are encountered on private land during the course of any ground-disturbing activities relating to the construction or operation of the transmission line, the Applicant shall cease work on the affected area of the Project and notify the Director of the Arizona State Museum as required under A.R.S. § 41-865.
5. The Applicant shall comply with the notice and salvage requirements of the Arizona Native Plant Law (A.R.S. §§ 3-901 et seq. as applicable) and shall, to the extent feasible, minimize the destruction of native plants during the construction and operation of the transmission line.
6. The Applicant shall not assign this Certificate or its interest in the Project authorized by this Certificate unless both Applicant (as Transferor/Assignor) and Transferee/Assigned has signed a "Notice of Transfer of Certificate of Environmental Compatibility" ("Notice") as required under A.R.S. § 40-360.08(A) and A.A.C. R14-3-213(F). That Notice must be filed in this Docket. Transferee/Assignee, as part of acquiring any interest in the Project, must agree to comply with all terms, limitations and conditions contained within this Certificate originally issued to Applicant by the Arizona Power Plant

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and Transmission Line Siting Committee and approved and/or issued by the Arizona Corporation Commission.

7. This authorization to construct this Project shall expire five years from the date the Certificate is approved by the Commission unless the transmission line is capable of operation. However, prior to expiration, the Applicant or its assignees may request that the Commission extend this time limitation.
8. In the event that the Project requires an extension of the term of this Certificate prior to completion of construction, Applicant shall use reasonable means to notify all landowners, neighborhood associations registered with the local governing jurisdiction, and residents within one mile of the Project corridor, all persons who made public comment at this proceeding, and all parties to this proceeding of the request. Applicant will provide the time and place of the hearing in which the Commission will consider its request for extension. [CONDITION 7 IN CASE 137 DECISION NO. 70469]
9. The Applicant shall make every reasonable effort to identify and correct, on a case-specific basis, all complaints of interference with radio or television signals from operation of the transmission lines and related facilities addressed in this Certificate. The Applicant shall maintain written records for a period of five years of all complaints of radio or television interference attributable to operation, together with the corrective action taken in response to each complaint. All complaints shall be recorded to include notations on the corrective action taken. Complaints not leading to a specific action or for which there was no resolution shall be noted and explained.
10. Within 120 days of the Commission decision granting this Certificate, Applicant will post signs in public rights-of-way giving notice of the Project corridor to the extent authorized by law. The Applicant shall place signs in prominent locations at reasonable intervals such that the public is notified along the full length of the transmission line until the transmission structures are constructed. To the extent practicable, within 45 days of securing easement or right-of-way for the Project, the Applicant shall erect and maintain signs providing public notice that the property is the site of a future transmission line. Such signage shall be no smaller than a normal roadway sign. The signs shall advise:
  - (a) That the site has been approved for the construction of Project facilities;
  - (b) The expected date of completion of the Project facilities;

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- (c) A phone number for public information regarding the Project;
- (d) The name of the Project;
- (e) The name of the Applicant; and
- (f) The website of the Project.

11. Applicant, or its assignee(s), shall design the transmission lines to incorporate reasonable measures to minimize impacts to raptors.

12. Applicant, or its assignee(s), shall use non-specular conductor and dulled surfaces for transmission line structures.

In Segment 1A. If the preferred alternative is chosen, a dulled galvanized steel finish along the portion which parallels Old Vail Connection to the Vail Substation, adjacent to the existing lattice structures.  
If the other alternative is chosen for segment 1A, dulled galvanized steel for any new transmission structures.

13. Before construction on this Project may commence, the Applicant shall file a construction mitigation and restoration plan ("Plan") with ACC Docket Control. Where practicable, the Plan shall specify the Applicant's plans for construction access and methods to minimize impacts to wildlife and to minimize vegetation disturbance outside of the Project right-of-way particularly in drainage channels and along stream banks, and shall re-vegetate, unless waived by the landowner, native areas of construction disturbance to its preconstruction state outside of the power-line right of way after construction has been completed. The Plan shall specify the Applicant's plans for coordination with the Arizona Game and Fish Department and the State Historic Preservation Office. The Applicant shall use existing roads for construction and access where practicable and the Plan shall specify the manner in which the Applicant makes use of existing roads.

14. With respect to the Project, Applicant shall participate in good faith in state and regional transmission study forums to coordinate transmission expansion plans related to the Project and to resolve transmission constraints in a timely manner.

15. The Applicant shall provide copies of this Certificate to the City of Tucson, the City of Sahuarita, the City of Nogales, Pima County, Santa Cruz County, the Arizona State Land Department, the State Historic Preservation Office, and the Arizona Game and Fish Department.

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- 16. Prior to the date construction commences on this Project, the Applicant shall provide known homebuilders, neighborhood associations registered with the local governing jurisdiction, and developers of record, within one mile of the center line of the Certificated Project Alignment the identity, location, and a pictorial depiction of the type of power line being constructed, accompanied by a written description, and encourage the developers and homebuilders to include this information in the developers' and homebuilders' homeowners' disclosure statements. [SEE CONDITION 6 IN CASE 137 DECISION NO. 70649].
- 17. Before commencing construction of Project facilities located parallel to and within 100 feet of any existing natural gas or hazardous liquid pipeline, the Applicant shall:
  - (a) Perform the appropriate grounding and cathodic protection studies to show that the Project's location parallel to and within 100 feet of such pipeline results in no material adverse impacts to the pipeline or to public safety when both the pipeline and the Project are in operation. If material adverse impacts are noted in the studies, Applicant shall take appropriate steps to ensure that such material adverse impacts are mitigated. Applicant shall provide to Commission Staff reports of studies performed; and
  - (b) Perform a technical study simulating an outage of the Project that may be caused by the collocation of the Project parallel to and within 100 feet of the existing natural gas or hazardous liquid pipeline. This study should either: i) show that such outage does not result in customer outages; or ii) include operating plans to minimize any resulting customer outages. Applicant shall provide a copy of this study to Commission Staff.
- 18. Applicant will follow the latest Western Electricity Coordinating Council/North American Electric Reliability Corporation Planning standards as approved by the Federal Energy Regulatory Commission, and National Electrical Safety Code construction standards.
- 19. The Applicant shall submit a self-certification letter annually, identifying progress made with respect to each condition contained in the Certificate, including which conditions have been met. Each letter shall be submitted to the Docket Control of the Arizona Corporation Commission on September 1 beginning in 2010. Attached to each certification letter shall be documentation explaining how compliance with each condition was achieved. Copies of each letter along with the corresponding documentation shall be submitted to the Arizona Attorney

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General and Department of Commerce Energy Office. The requirement for the self-certification shall expire on the date the Project is placed into operation.

20. Within sixty (60) days of the Commission decision granting this Certificate, the Applicant shall make good faith efforts to commence discussions with private landowners, on whose property the Project Alignment is located, to identify the specific location for the Project's right-of-way and placement of poles.

21. The Applicant shall expeditiously pursue reasonable efforts to work with private landowners on whose property the Project right-of-way will be located, to mitigate the impacts of the location, construction, and operation of the Project on private land.

22. The Certificate does not grant to the Applicant to right to construct a second circuit in Segment 1B – the existing line approved in Decision No. 56097 (July 6, 1988) on single steel poles that is currently operating at 115 kV. As explained in the Application under Line Siting Case No. 78, that line is designed to be able to operate at 138 kV. This Certificate recognizes that, as part of the Vail to Valencia 115 kV to 138 kV Transmission Line Upgrade Project, the existing line in Segment 1B will now operate at 138 kV.

23. TEP in the Southeast Area Transmission Study region and UNS Electric in Santa Cruz County, shall establish/re-establish a Citizens Advisory Council. Each CAC shall meet at least quarterly, have an agenda sent out at least 10 days prior to each meeting, post minutes on the utility's website, and work closely with community organizations through their CAC to continually inform the public, obtain feedback on proposed programs or issues of concern, and interact at the local level. Each CAC shall have at least 25 members, with the utility continually recommending interested persons to join with at least 25 active members from the community. Each utility will support its CAC with presentations, speakers, meeting locations, mailed agenda, minutes, website, and preside over each meeting.

The ACC shall be invited to attend and this docket to receive both annually, a copy of all agenda, minutes and list of community members. All meetings will be open to the public. Notices in local newspapers announcing specific presentations, such as implementation of a new DSM program at a CAC meeting are encouraged.

1 In the Southeast Area Study region the community organizations invited to sent a representative shall include  
2 Supervisor District Four, The Vail Preservation Society or another historical organization, Corona de Tucson Fire  
3 Department or another emergency responder in the area, The Vail School District, a minimum of two local  
4 environmental groups, a minimum of two registered neighborhood associations (Santa Rita Foothills Community  
5 Association, Hilton Ranch Rd. Community Association?), a minimum of 2 representatives from the Sonoita area etc. and  
6 any local individual customer of the utility.

7  
8 Similarly, in Santa Cruz County, UNS Electric and UNS Gas will invite representative from the Santa Cruz County  
9 Districts 1, 2, and 3; City of Nogales, Nogales Lions Club, Nogales/Santa Cruz Chamber of Commerce, Rio Rico  
10 Chamber of Commerce, Tubac Chamber of Commerce, Santa Cruz Valley Citizens Council, Rio Rico Property Owners  
11 Association, Santa Cruz Valley Unified School District, Baca Float Coalition, Zonta, Nogales Women's Club, Nogales  
12 Public School District, Tubac Rotary, Produce Association, SEAGO, Primeria Alta Historical Society, Fred Lawrence  
13 Whipple Observatory, Rio Rico Properties, ARC Southern Arizona Chapter, Burns Realty, Bracker's Department Store,  
14 Doyle Exterminating and Fumigating, Cropper's Auto Center, Escaltada's Inc., Mariposa Community Health Center and  
15 any local interested customer of the utility.

16 **FINDINGS OF FACT AND CONCLUSIONS OF LAW**

17 This Certificate incorporates the following findings of fact and conclusions of law:

- 18 1. The Project is in the public interest because it aids the state in meeting the need for an adequate, economical and  
19 reliable supply of electric power.
- 20 2. In balancing the need for the Project with its effect on the environment and ecology of the state, the conditions  
21 placed on the CEC by the Committee effectively minimize its impact on the environment and ecology of the  
22 state.
- 23 3. The conditions placed on the CEC by the Committee resolve matters concerning the need for the Project and  
24 its impact on the environment and ecology of the state raised during the course of proceedings, and as such,  
25 serves as the findings on the matters raised.
- 26 4. In light of these conditions, the balancing in the broad public interest results in favor of granting the CEC.

27 DATED this \_\_\_ day of \_\_\_\_\_ 2009.

**THE ARIZONA POWER PLANT AND TRANSMISSION LINE  
SITING COMMITTEE**

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Hon. John Foreman, Chairman

**Exhibit A**

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A transmission line corridor, with the centerline, as determined from Arizona State Plane Coordinate mapping, more particularly described as follows:

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thence North 60 degrees 17 minutes 58 seconds West, 1,037.36 feet;

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thence South 89 degrees 32 minutes 32 seconds West, 11,891.07 feet;

thence South 05 degrees 40 minutes 55 seconds West, 1,744.96 feet;

thence South 00 degrees 34 minutes 52 seconds East, 6,224.41 feet to a point in **Nogales Tap Substation**;

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thence South 34 degrees 21 minutes 34 seconds West, 95,891.68 feet;

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thence South 19 degrees 02 minutes 10 seconds West, 1,725.59 feet;

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thence South 56 degrees 02 minutes 44 seconds West, 1,101.12 feet to the beginning of a non-tangent curve concave to the southwest, having a radius of 5,853.84 feet, and to which a radial line bears North 47 degrees 55 minutes 45 seconds East;

thence southeasterly 2,370.68 feet along said curve through a central angle of 23 degrees 12 minutes 13 seconds;

thence South 18 degrees 52 minutes 02 seconds East, 5,858.00 feet to a point 172 feet westerly of the west side of **Cañez Substation**;

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1 thence South 18 degrees 53 minutes 51 seconds East, 6,598.53 feet;  
2 thence South 37 degrees 22 minutes 02 seconds East, 6,610.08 feet;  
3 thence South 00 degrees 35 minutes 23 seconds East, 7,555.17 feet;  
4 thence South 30 degrees 26 minutes 05 seconds West, 1,143.95 feet;  
5 thence South 03 degrees 55 minutes 22 seconds East, 3,724.62 feet;  
6 thence South 17 degrees 58 minutes 34 seconds East, 3,169.01 feet;  
7 thence South 79 degrees 39 minutes 56 seconds East, 1,303.27 feet;  
8 thence South 43 degrees 47 minutes 11 seconds East, 1,683.12 feet;  
9 thence South 04 degrees 49 minutes 19 seconds West, 1,849.85 feet;  
10 thence South 00 degrees 35 minutes 14 seconds East, 3,980.53 feet;  
11 thence North 74 degrees 35 minutes 02 seconds East, 1,332.75 feet;  
12 thence South 01 degrees 13 minutes 18 seconds East, 1,873.85 feet;  
13 thence North 88 degrees 43 minutes 12 seconds East, 2,191.97 feet to the terminus of said centerline at **Valencia Substation**, at  
14 grid coordinate (X) 1007459.01, (Y) 133493.23, of said Central Zone, and to which National Geodetic Survey point M423 (PID -  
15 CG0883) bears South 23 degrees 09 minutes 01 seconds East, 34,502.53 feet.

16 Said centerline is 57.785 miles in length, more or less.

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