

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

IN THE MATTER OF THE APPLICATION)
OF ARIZONA PUBLIC SERVICE COMPANY,)
SALT RIVER PROJECT AGRICULTURAL)
IMPROVEMENT AND POWER DISTRICT,)
EL PASO ELECTRIC COMPANY, PUBLIC)
SERVICE COMPANY OF NEW MEXICO)
and ARIZONA ELECTRIC POWER)
COOPERATIVE, INC., in conformance)
with the requirements of Arizona)
Revised Statutes Section 40-360,)
et seq., for a Certificate of)
Environmental Compatibility for)
four 525 kV (nominally 500 kV))
transmission lines and associated)
receiving stations: Two proposed)
525 kV transmission lines between)
(proposed) Palo Verde Receiving)
Station and (expanded) Westwing)
Receiving Station; proposed 525 kV)
transmission line between (pro-)
posed) Palo Verde Receiving Station)
and (expanded) Kyrene Receiving)
Station; proposed 525 kV trans-)
mission line between (proposed))
Palo Verde Receiving Station and)
(expanded) Saguaro Receiving)
Station.)
_____)

CASE NO. 24

DECISION NO. 46802

CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY

Pursuant to notice given as provided by law, the Power Plant and Transmission Line Siting Committee ("the Committee") held consolidated public hearings at Rooms N-6 and N-7, Phoenix Civic Plaza, 225 East Adams, Phoenix, Arizona, on December 1, 2 and 5, 1975, and the Roundup Room, YMCA, 350 North 1st Avenue, Phoenix, Arizona, on December 3 and 4, 1975, regarding, among

other matters, the Joint Application of Arizona Public Service Company, Salt River Project Agricultural Improvement and Power District, El Paso Electric Company, Public Service Company of New Mexico and Arizona Electric Power Cooperative, Inc. (the "Joint Applicants"), in conformance with the requirements of Arizona Revised Statutes §40-360, et seq., for a Certificate of Environmental Compatibility authorizing four 525 kV (nominally 500 kV) transmission lines and associated receiving stations, as follows: Two proposed 525 kV transmission lines between (proposed) Palo Verde Receiving Station and (expanded) Westwing Receiving Station; proposed 525 kV transmission line between (proposed) Palo Verde Receiving Station and (expanded) Kyrene Receiving Station; proposed 525 kV transmission line between (proposed) Palo Verde Receiving Station and (expanded) Saguaro Receiving Station.

The Joint Applicants were represented by attorneys Richard H. Silverman and William G. Beyer. Intervenor, City of Casa Grande, having duly served, as provided by law, its written notice of intent to become a party, was represented by attorney Clifford Fry, City Attorney.

W. A. Dunn and Dorothy J. Dunn, by attorney Robert S. Lynch of the law firm of Rawlins, Ellis, Burrus & Kiewit, duly filed a limited appearance, which was made a part of the record, pursuant to Arizona Revised Statutes §40-360.05B.

Testimony was presented by witnesses for the Joint Applicants, and the Committee was given an opportunity to examine said witnesses. Intervenor, City of Casa Grande, presented no witnesses. The Intervenor was given the opportunity to cross-examine the respective witnesses.

The Joint Applicants, during the consolidated hearings, without prejudice to their right to file a new or amended application at some later date, withdrew from the Joint Application, and therefore from further consideration by the Committee, their requested alternate route between Palo Verde Receiving Station and Saguaro Receiving Station.

The following members of the Committee, constituting a majority thereof, present at all hearing sessions on the matter of the Joint Application in Case No. 24, were present on December 4, 1975, for voting at the conclusion of the portion of the consolidated hearings relating to the transmission lines the subject of the Joint Application in Case No. 24:

Andrew Bettwy, designee
for Bruce Babbitt
Carl Billings, designee
for R. Bruce Scott
Ken Rotta, designee for
Al Faron
John Carr, designee for
Robert Jantzen
Allen Gross, designee for
Dennis McCarthy
Martin Wurbs, designee
for Wesley E. Steiner
John W. Beatty

Clint Johnson, designee
for Brent Brown
E. H. Weigel
James K. Wheat
Arlo B. Lee
Garvis Pollard, designee for
Donald C. Gilbert
William Fish, designee for
Andrew L. Bettwy
Orme Lewis, Jr.
Clifford C. Tabor
Clyde S. Roberts

The following members of the Committee were not present on December 4, 1975, for voting at the conclusion of the portion of the consolidated hearings relating to the transmission lines the subject of the Joint Application in Case No. 24:

Frank Sortelli
Raymond H. Thompson

The Committee, having considered the alternative routes proposed by the Joint Applicants and having been fully informed in the premises, a motion made by John W. Beatty and seconded by William Fish, granting the Joint Applicants their preferred routes, was adopted by a majority vote of the members present, which vote constituted a majority of the members of the Committee.

The Committee, on December 5, 1975, by a majority vote of the members present, agreed to re-open the motion adopted the previous day, for the limited purpose of reconsidering an alternative route proposed by the Joint Applicants for the two proposed transmission lines between Palo Verde Receiving Station and Westwing Receiving Station.

The following members of the Committee, constituting a majority thereof, present at all hearing sessions on the matter of the Joint Application in Case No. 24, were present on December 5, 1975, for voting on the limited reconsideration of the alternate route between Palo Verde Receiving Station and Westwing Receiving Station:

Andrew Betty, designee
for Bruce Babbitt
Carl Billings, designee
for R. Bruce Scott
Ken Rotta, designee for
Al Faron
John Carr, designee for
Robert Jantzen
Allen Gross, designee for
Dennis McCarthy
Martin Wurbs, designee
for Wesley E. Steiner

E. H. Weigel
James K. Wheat
Arlo B. Lee
Garvis Pollard, designee
for Donald C. Gilbert
William Fish, designee
for Andrew L. Bettwy
Clyde S. Roberts
John W. Beatty

The following members of the Committee were not present on December 5, 1975, for voting on the limited reconsideration of the alternate route between Palo Verde Receiving Station and Westwing Receiving Station:

Frank Sortelli
Raymond H. Thompson
Clint Johnson, designee for
Brent Brown
Orme Lewis
Clifford Tabor

The Committee, having considered further the alternate route proposed by the Joint Applicants between Palo Verde Receiving Station and Westwing Receiving Station, a motion made by William Fish and seconded by Garvis Pollard, granting the Joint Applicants an alternate route between Palo Verde Receiving Station and Westwing Receiving Station, was adopted by a majority vote of the members present, which vote constituted a majority of the members of the Committee.

The motion, as modified, granted the Joint Applicants the following Certificate:

Arizona Public Service Company, Salt River Project Agricultural Improvement and Power District, El Paso Electric Company, Public Service Company of New Mexico and Arizona Electric Power Cooperative Inc. are hereby granted a Certificate of Environmental Compatibility for the construction of:

- A. Two 500 kV transmission lines from the proposed Palo Verde Receiving Station, near Wintersburg, Arizona, to and including the site of the expanded Westwing Receiving Station, north of Surprise, Arizona.
 - 1. Palo Verde-Westwing Line - Alternate Route I:
The corridor for the two 500 kV transmission lines (designated Alternate Route I on Exhibit A, attached hereto) begins at the Palo Verde Receiving Station and proceeds in a northerly direction. At mile 3 the corridor crosses the Buckeye-

Salome Road. At mile 7 the corridor crosses newly constructed Interstate Highway 10 (I-10). At mile 15, between Flat Iron Mountain and the Belmont Mountains, the corridor intersects the alignment of the proposed canal for the Central Arizona Project. Turning northeasterly, the corridor follows the alignment of the canal, crossing the Hassayampa River at mile 23. At mile 29 Alternate Route I intersects Alternate Route J. Alternate Route I proceeds east, passing to the north of the White Tank Mountains, south of Luke Auxiliary Field Number One. At mile 42 the corridor crosses U. S. Highway 60, then proceeds five miles to Westwing Receiving Station, situated northwest of Phoenix in Maricopa County, Arizona.

2. Palo Verde-Westwing Line - Alternate Route J: Alternate Route J (see Exhibit A, Alternate Route "J") begins at the Palo Verde Receiving Station and proceeds in an easterly direction. Two miles from the Palo Verde Receiving Station, Alternate Route J turns northeast, then crosses the Hassayampa River and I-10. At mile 13, Alternate Route J turns north, passing to the west of the White Tank Mountains. At mile 22 Alternate Route J turns northeast. At mile 27 Alternate Route J intersects Alternate Route I. Alternate Route J is identical to Alternate Route I for the remaining distance to the Westwing Receiving Station.

- B. One 500 kV transmission line from the proposed Palo Verde Receiving Station to and including the site of the expanded Kyrene Receiving Station, in Tempe, Arizona:

The corridor for the Palo Verde-Kyrene Line (see Exhibit A, Route K-F) begins at the Palo Verde Receiving Station and proceeds to the south in a common corridor with the Palo Verde-Saguaro Line (Route G on Exhibit A hereto), crossing the Gila River south of Gillespie Dam at mile 14, and U. S. Highway 80 at mile 22, 10 miles south of Buckeye. From mile 8 to mile 46 the corridor parallels an existing El Paso Natural Gas Company pipeline route in a generally southeasterly direction through the southern extent of the Rainbow Valley, along the foothills of the Maricopa Mountains. At mile 46, approximately one mile north of a Southern Pacific Railroad line, the corridor turns in an easterly direction. Palo Verde-Kyrene Route K-F separates from the common corridor with the Palo Verde-Saguaro Line at this point. Route K-F proceeds easterly for 18 miles to an existing 230 kV transmission line and then north along the existing line for approximately

14 miles through the Gila River Indian Community. The corridor then turns east for approximately 2 miles crossing I-10, and then north, following a railroad spur into the Kyrene Receiving Station, in the southern part of the City of Tempe.

- C. One 500 kV transmission line from the proposed Palo Verde Receiving Station to and including the site of the expanded Saguaro Receiving Station, near Redrock, Arizona:

The corridor for the Palo Verde-Saguaro Line (see Exhibit A, Route G) begins at the Palo Verde Receiving Station and proceeds to the south in a common corridor with Route K-F for the Palo Verde-Kyrene Line, crossing the Gila River south of Gillespie Dam at mile 14 and U. S. Highway 80 at mile 22, 10 miles south of Buckeye. From mile 8 to mile 46 the corridor parallels an El Paso Natural Gas Company pipeline route in a generally southeasterly direction through the southern extent of the Rainbow Valley along the foothills of the Maricopa Mountains. At mile 46, Route K-F for the Palo Verde-Kyrene Line and Route G for the Palo Verde-Saguaro Line separate. Route G continues to parallel the El Paso Natural Gas Company pipeline route in a generally southeasterly direction through the southern extent of Rainbow Valley, along the foothills of the Maricopa Mountains, to mile 53. The corridor, for the next 44 miles, will then be adjacent to a planned Tucson Gas & Electric Company EHV transmission line (from Westwing Receiving Station to Vail Receiving Station, south of Tucson). The corridor passes east of the Table Top Mountain range and crosses the intersection of Interstate Highway 8 (I-8) and Highway 84, at mile 67. Continuing in a southeasterly direction, the corridor passes through the northeast corner of the Papago Indian Reservation in the Silver Reef Valley and crosses Reservation Route 15 at mile 84. The corridor passes to the west of the Sawtooth Mountains southeast of the Papago Indian Reservation. At mile 96, Route G turns east, following an existing 230 kV wood pole transmission line, and passing to the north of the Silver Bell Mountains. The corridor crosses the Santa Cruz River at mile 117 in the Avra Valley, and I-10 south of Red Rock, then terminates at Saguaro Receiving Station, located just east of I-10, in the southern part of Pinal County.

The 500 kV lines are within a one mile corridor. The Joint Applicants shall be entitled to use either of the alternate route segments designated on Exhibit A hereto for the Palo Verde-Westwing Line subject to a determination by the Federal Agency having jurisdiction over the underlying fee, provided the Joint Applicants evidence such fact by sub-

mitting a written statement to the Chairman for insertion in the record of this Case 24.

This Certificate of Environmental Compatibility is granted on the condition that Joint Applicants comply with all applicable nuclear radiation standards, air and water pollution control standards and regulations, and with all applicable ordinances, master plans and regulations of the State of Arizona, the Counties of Pinal and Maricopa, and the Cities of Tempe and Chandler.

GRANTED this 23rd day of January, 1976.

THE POWER PLANT AND TRANSMISSION
LINE SITING COMMITTEE

By 
Chairman

 CHAIRMAN  COMMISSIONER  COMMISSIONER

IN WITNESS WHEREOF, I, DONALD E. VANCE, Executive Secretary of the Arizona Corporation Commission, have hereunto set my hand and caused the official seal of this Commission to be affixed, at the Capitol in the City of Phoenix, this 16th day of March, 1976.



DONALD E. VANCE
EXECUTIVE SECRETARY