



0000013280

ORIGINAL

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

IN THE MATTER OF THE APPLICATION
OF SALT RIVER PROJECT
AGRICULTURAL IMPROVEMENT AND
POWER DISTRICT ON BEHALF OF ITSELF
AND ARIZONA PUBLIC SERVICE
COMPANY, SANTA CRUZ WATER AND
POWER DISTRICTS ASSOCIATION,
SOUTHWEST TRANSMISSION COOPER-
ATIVE, INC. AND TUCSON ELECTRIC
POWER IN CONFORMANCE WITH THE
REQUIREMENTS OF ARIZONA REVISED
STATUTES SECTION 40-360, et. seq., FOR A
CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AUTHORIZING
CONSTRUCTION OF THE PINAL WEST TO
SOUTHEAST VALLEY/BROWNING
PROJECT INCLUDING THE CONSTRU-
TION OF TRANSMISSION LINES FROM
PINAL WEST TO THE BROWNING SUB-
STATION AND OTHER INTERCONNEC-
TION COMPONENTS IN PINAL AND
MARICOPA COUNTIES, ARIZONA.

Docket No. L00000B-04-0126

Case No. 126

RECEIVED
2004 NOV 18 P 2:42
AZ CORP COMMISSION
DOCUMENT CONTROL

NOTICE OF FILING

NOTICE IS HEREBY GIVEN that Applicant, Salt River Project Agricultural
Improvement and Power District, at the request of Chairman Woodall, is filing its

...

...

...

...

...

Arizona Corporation Commission

DOCKETED

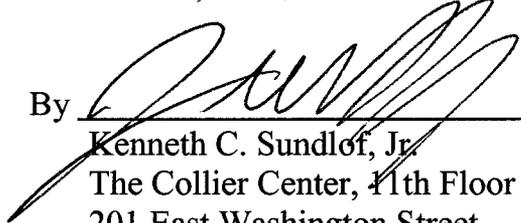
NOV 18 2004

DOCKETED BY

1 Responses to Chairman Woodall's First Set of Data Requests, without the attachments.

2 Dated this 18th day of November, 2004.

3 JENNINGS, STROUSS & SALMON, P.L.C.

4
5 By 
6 Kenneth C. Sundlof, Jr.
7 The Collier Center, 11th Floor
8 201 East Washington Street
9 Phoenix, Arizona 85004-2385
10 Attorneys for Salt River Project
Agricultural Improvement and Power
District

11 ORIGINAL and 30 copies of the
12 foregoing filed on this 18th day of
13 November, 2004 with

14 Docket Control
15 Arizona Corporation Commission
16 1200 W. Washington
17 Phoenix, AZ 85007

18 Copy of the foregoing mailed on this
19 18th day of November, 2004, to:

20 Lisa Vandenberg
21 ARIZONA CORPORATION COMMISSION
22 1200 W. Washington Street
23 Phoenix, AZ 85007

24
25 Walter W. Meek
26 ARIZONA UTILITY INVESTORS ASSOCIATION
2100 North Central, Suite 210
Phoenix, AZ 85067

1 John R. Dacey
2 Alicia M. Corbett
3 GAMAGE & BURHNHAM
4 Two North Central Avenue, 18th Floor
5 Phoenix, AZ 85004
6 Attorneys for Miller Holdings, Inc.

7 James E. Mannano
8 Florence Town Attorney
9 775 N. Main Street
10 P. O. Box 2670
11 Florence, AZ 85253

12 Karrin Kunasek Taylor
13 BISKIND HUNT & TAYLOR
14 11201 n. Tatum Blvd., Suite 330
15 Phoenix, AZ 85028

16
17
18
19
20
21
22
23
24
25
26
By Matthew J. Thacker

1 Response #2. These scientists have conducted field reconnaissance to identify potential
2 habitat for biological species that may occur within the Project Study Area.. They
3 identified potential habitat by species and this information was converted into a GIS
4 coverage. The Project has utilized GIS data analysis for analyzing all potential routing
5 opportunities.

6 A screen capture of the GIS coverages that were analyzed to develop the Preferred
7 Alignment and segment options in the area is included in Attachment A. The Preferred
8 Alignment and segment options are the two to three alternatives that represent the
9 alignments with the least amount of effects sensitive environmental routing criteria

10 There are no proposed alignments that are located on or traverse land administered
11 by the Bureau of Land Management (BLM). There is an existing BLM designated utility
12 corridor that follows the existing TEP 345 kV transmission line south of the recently
13 permitted Pinal West substation. Biologists conducted field reconnaissance in this area
14 and identified potential habitat. This information was also converted into a GIS coverage
15 and is included in **Attachment A**.

16
17 *Data Request Number 2: The field reconnaissance reports referred to on page C-1 in*
18 *Exhibit C, and the names and CV's for qualified biologists who conducted the "multiple*
19 *site reconnaissance visits.*

20 **Response:** The field notes and field photographs from the field reconnaissance are
21 included in **Attachment B**. The qualified biologists that conducted the field
22 reconnaissance and prepared Exhibits C and D are also included in **Attachment B**.

1 Data Request Number 3: Any Class II or Class III cultural resource survey obtained by or on
2 behalf of the applicant relating to the project area.

3 **Response:** A Class II or Class III survey has not been completed for this project. The
4 project will be conducting a Class III survey if and when the Arizona Corporation
5 Commission approves a route and the Applicant completes engineering design on the
6 alignment.

7
8 Data Request Number 4: Scope of work for the applicant's environmental consultants,
9 including any correspondence or documents modifying the cope of work.

10 **Response:** The Scope of Work is included in **Attachment C**.

11
12 Data Request Number 5: Names and CVs for principal researchers, analysts or
13 preparers for Exhibit B, C, D.

14 **Response:** The names and CVs for principal researchers, analysts or preparers for
15 Exhibit B, C, and D are included in **Attachment B**.

16
17 Data Request Number 6: Name and CVs for principal researchers, analysts or preparers
18 for the visual resources component of Exhibit E, and work papers, correspondence,
19 memoranda, reports relating to selection of the 8 representative sensitive viewpoints
20 (KOPs) and methodology for simulations in Exhibit E.

21 **Response:** The names and CVs for the principal researchers and analysts for Exhibit E
22 are included in **Attachment D**.

23 Greystone selected the KOPs based on areas where there are known recreational
24 areas in close proximity to the proposed alignments or where there are viewers in the
25 areas of the Preferred Alignment.

1 Greystone prepared visual simulations to depict “before and after” photos of
2 current conditions and photo simulations of projected conditions associated with the
3 Preferred Alignment. The purpose of the simulations was to visually convey the potential
4 impacts of Transmission Line in specific areas. Greystone developed photographic
5 simulations using a 3-Dimensional (3D) model of the Project study area and the Preferred
6 Alignment. Once completed, the file is imported into 3D Studio Viz, where lights and
7 surface materials are used to create sun shadows, and photo realistic surfaces. The camera
8 location and the size of lens are imputed, and an image of the specific structure is
9 rendered. The file is then imported into Adobe Photoshop and combined with the existing
10 photograph.

11
12 *Data Request Number 7: Copies of any documents obtained relating to designated*
13 *recreational land uses within the project area in the City of Apache Junction, the City of*
14 *Coolidge, the Town of Florence and the City of Casa Grande.*

15 **Response:** Attachment E includes copies of the portion of the referenced
16 jurisdictions’ land use plans relating to designated recreational areas. In addition, these
17 areas are included on the land use maps in Exhibit A of the Application.

18
19 *Data Request Number 8: Any technical studies or analyses indicating where different*
20 *structure types (as depicted in Exhibit G-1 through G-8 would be constructed with*
21 *respect to particular geographic segments of the proposed route and alternatives.*

22 **Response:** There are no technical studies or analysis indicating where the different
23 structure types depicted in Exhibits G-1 through G-8 would be constructed. The
24 preferred route and alternatives have been reviewed at a conceptual level with the
25 assumption the Delta single circuit and/or the double circuit tubular type steel structure

1 depicted in Exhibit G-1 and G-2 would be the primary structure types used for the
2 project. Additional concept work has been undertaken for certain 230 and 115 kV
3 transmission line crossings in the study area and west of the City of Coolidge to evaluate
4 the potential structure types and height requirements. For such line crossings the
5 structures depicted in Exhibits G-1 (delta), G-3 or G-5 are typically used. Final
6 determination of which structure type will be used for line crossings will be determined
7 during the final design stage of the project. The structure types depicted in Exhibits G-4,
8 G-6 and G-7 are typically used in locations where the transmission line make a turn or
9 angle. The final structure type and overall size depends upon how large the turn or angle
10 is and will be determined during final design.

11
12 *Data Request Number 9: Any memoranda, study or report setting forth the estimated*
13 *cost of right-of-way and the estimated cost of engineering and construction for the*
14 *proposed and alternative routes.*

15 **Response:** The transmission line estimates are based on cost modules developed by
16 Sargent and Lundy, an A&E firm, specifically for this project. The modules take into
17 account many factors including; conductor type and number, number and type of
18 structures (tangent and angels), number of circuits, engineering, inspection, right of way,
19 etc. The right of way component of the cost modular is an estimate composite per mile
20 cost. The estimated cost per mile reflected in the application base on the cost module is
21 \$1,000,000 to \$1,300,000 per mile.

22
23 *Data Request Number 10: Copies of Certificates of Environmental Compatibility (CECs)*
24 *for the "Existing single circuit 500 kV structures" between CAP and Existing Browning*
25 *Substation as described on page Introduction-1.*

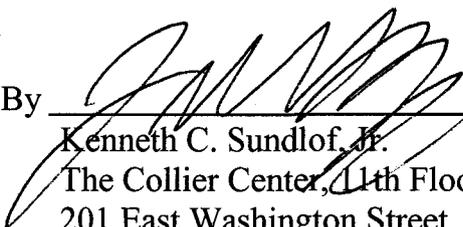
1 **Response:** A copy of the CEC has been provided in **Attachment F**.

2
3 *Data Request Number 11: A description of the width of the preferred and alternative*
4 *corridors, submitted by the applicant, and their location with respect to a center line.*

5 **Response:** The Applicant requests a one half mile wide corridor on each side of the
6 preferred and alternative alignments.

7 Dated this 18th day of November, 2004.

8 JENNINGS, STROUSS & SALMON, P.L.C.

9
10 By 

11 Kenneth C. Sundlof, Jr.
12 The Collier Center, 11th Floor
13 201 East Washington Street
14 Phoenix, Arizona 85004-2385
15 Attorneys for Salt River Project
16 Agricultural Improvement and Power
17 District
18
19
20
21
22
23
24
25
26