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- WWR-11. Ten Year Plan Verification
- WWR-12. CEC Application (Docketed August 1, 2016)
- WWR-13. Witness Summaries, and Bios for Kathryn Arbeit, Max Bakker, Jim Filippi and Randy Schroeder
- WWR-14. Jim Filippi pre-filed testimony
- WWR-15. Randy Schroeder pre-filed testimony

RESPECTFULLY SUBMITTED this 31st day of August, 2016.

MOYES SELLERS & HENDRICKS



 Jay I. Moyes
 Jason Y. Moyes
 1850 N. Central Avenue, Suite 1100
 Phoenix, Arizona 85004
 602-604-2141

ORIGINAL & 25 copies of the Foregoing were filed with Docket Control on the 31st day of August, 2016.

Copies were electronically delivered The 31st day of August, 2016 to:

Thomas K. Chenal, Chairman
 Arizona Power Plant and Transmission
 Line Sitting Committee
 1275 W. Washington
 Phoenix, AZ 85007
Thomas.chenal@azag.gov

Janice Alward, Esq.
 Legal Division
 Arizona Corporation Commission
 1275 W. Washington
 Phoenix, AZ 85007
JAlward@azcc.gov

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Thomas Broderick
Utilities Division
Arizona Corporation Commission
1275 W. Washington
Phoenix, AZ 85007
tbroderick@azcc.gov

Dwight Nodes
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1275 W. Washington
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Marta T. Hetzer
Coash & Coash
1802 N. 7th Street
Phoenix, AZ 85006
mh@coashandcoash.com

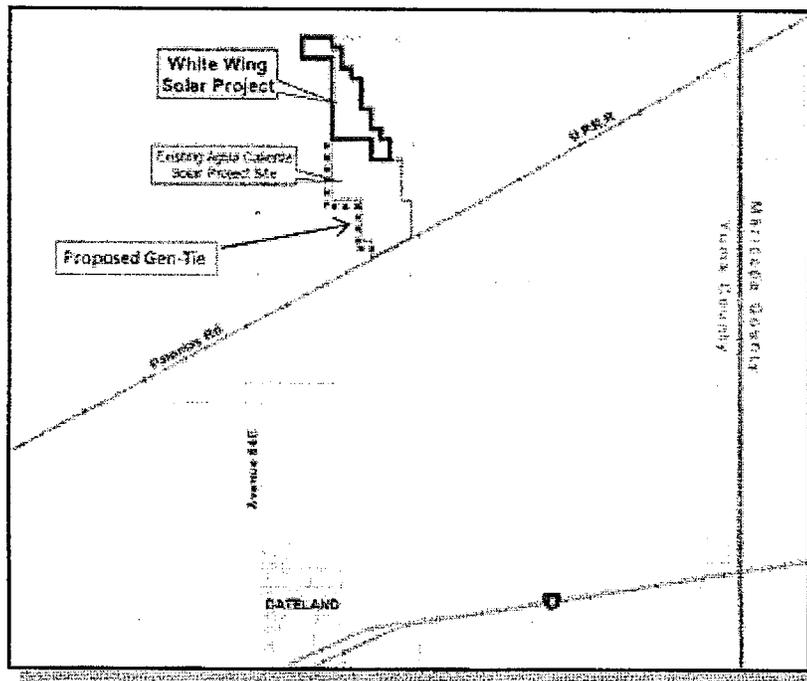


WWR-3

1 and the ACC website. **NOTE: NOTICE OF ANY SUCH RESUMED HEARING WILL BE**
2 **GIVEN; HOWEVER, PUBLISHED NOTICE OF SUCH RESUMED HEARING IS NOT**
3 **REQUIRED.**

4 The Committee, at its discretion, may tour the White Wing Gen-tie Project location on Monday,
5 September 12, 2016, departing at approximately 1:30 p.m. from the Hampton Inn & Suites –
6 Yuma, or at an alternate date and time as determined by the Chairman. The map and itinerary for
7 the tour will be available at the hearing and posted on the White Wing Gen-tie Project website.
8 Members of the public may follow the Committee on the tour in personal vehicles. During the tour
9 the Committee may hear brief testimony at stops on the tour from one or more witnesses
10 concerning where the stops are located, what is visible at the stops, and the relevance of the
11 location and view to the facilities in the Application. No other discussion or deliberation
12 concerning the Application will occur during the tour. Any testimony taken or comments made to
13 or by the Committee during the tour will be recorded for transcription and made available as part
14 of the hearing record.

15 The below map identifies the proposed location of the White Wing Gen-tie Project:



22 Copies of the Application, containing detailed maps of the White Wing Gen-tie Project site and
23 detailed information about the proposed facilities, and copies of the transcripts will be available
24 for inspection at the following locations:

- 25
- 26 • Docket Control Center of the ACC Phoenix Office at 1200 West Washington Street, Suite
27 108, Phoenix, AZ 85007
 - Dateland Elementary School Library, 1300 S. Avenue 64 E, Dateland, AZ
 - Yuma County Main Public Library, 2951 S. 21st Drive, Yuma, AZ
 - White Wing Gen-tie Project website, www.WhiteWingGen-tie.com

1 Each county and municipal government and state agency interested in the proposed White Wing
2 Gen-tie Project and desiring to be a party to the proceedings shall, not less than ten days before the
3 date set for hearing, file with the Director of Utilities, Arizona Corporation Commission, 1200
4 West Washington Street, Phoenix, Arizona 85007 a notice of intent to be a party.

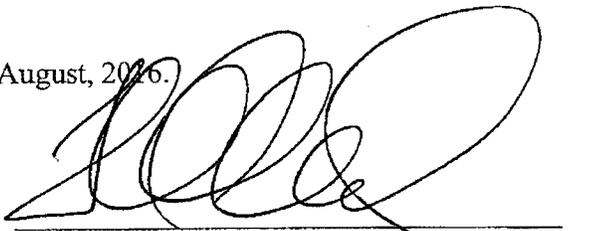
4 Any domestic non-profit corporation or association formed in whole or in part to promote
5 conservation of natural beauty, to protect the environment, personal health or other biological
6 values, to preserve historical sites, to promote consumer interests, to represent commercial and
7 industrial groups, or to promote the orderly development of the area in which the White Wing
8 Gen-tie Project is to be located and desiring to become a party to the proceedings shall, not less
9 than ten days before the date set for hearing, file with the Director of Utilities, Arizona
10 Corporation Commission, 1200 West Washington Street, Phoenix, Arizona 85007 a notice of
11 intent to be a party.

9 The Committee or its Chairman, at any time deemed appropriate, may make other persons parties
10 to the proceeding.

11 Any person may make a limited appearance at a hearing by filing a statement in writing with the
12 Director of Utilities, Arizona Corporation Commission, 1200 West Washington Street, Phoenix,
13 Arizona 85007, not less than five days before the date set for hearing. A person making a limited
14 appearance shall not be a party or have the right to present testimony or cross-examine witnesses.

14 This proceeding is governed by Arizona Revised Statutes Sections 40-360 to 40-360.13 and
15 Arizona Administrative Code R14-3-201 to R14-3-220. No substantive communication not in the
16 public record may be made to any member of the Committee. The written decision of the
17 Committee will be submitted to the Arizona Corporation Commission pursuant to Arizona
18 Revised Statutes Section 40-360.07. Any person intending to be a party to the proceedings on
19 these matters before the Arizona Corporation Commission must be a party to the proceedings
20 before the Committee.

18 ORDERED this 2ND day of August, 2016.

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21 
22 Thomas K. Chenal, Chairman
23 Arizona Power Plant and Transmission
24 Line Siting Committee
25 Assistant Attorney General
26

27 #5230416

WWR-4

NOTICE OF HEARING

BEFORE THE ARIZONA POWER PLANT AND TRANSMISSION LINE SITING COMMITTEE Docket No. L-00000ZZ-16-0279-00172

A PUBLIC HEARING WILL BE HELD regarding the Application of White Wing Ranch North, LLC for a Certificate of Environmental Compatibility authorizing the construction in the vicinity of this sign of an approximately 3.5-mile long 115 kV, 230 kV, or 500kV gen-tie transmission line and up to two (2) substations (collectively, the "White Wing Gen-tie Project").

The hearing will be held on **Monday, September 12, 2016, at 9:30 a.m. and Tuesday, September 13, 2016, at 9:30 a.m., at the Hampton Inn & Suites -Yuma, 1600 East 16th Street, Yuma, Arizona, 85365**

PUBLIC COMMENT WILL BE TAKEN AT THE DISCRETION OF THE COMMITTEE CHAIRMAN
Additional hearings, if necessary, will be noticed on the **White Wing Ranch website** at: www.WhiteWingGen-tie.com and on the **Arizona Corporation Commission website** at: www.azcc.gov/AZPowerPlant/LineSiting-Calendar.asp

The Committee, at its discretion, may tour the White Wing Gen-tie Project location on Monday, September 12, 2016, departing at approx. 1:30 p.m. from the Hampton Inn & Suites - Yuma or at an alternate date and time as determined by the Chairman. The map and itinerary for the tour will be available at the hearing and posted on the White Wing Gen-tie Project website. Members of the public may follow the Committee on the tour in personal vehicles. During the tour the Committee may hear brief testimony at stops on the tour from one or more witnesses concerning where the stops are located, what is visible at the stops and the relevance of the location and view to the facilities in the Application. No other discussion or deliberation concerning the Application will occur during the tour. Any testimony taken or comments made to or by the Committee during the tour will be recorded for transcription and made available as part of the hearing record.

Details of the Project are contained in the Application, a copy of which can be viewed at the Dateland Elementary School Library, The Yuma County Main Public Library, or at the Docket Control Center of the Arizona Corporation Commission, 1200 West Washington, Phoenix, Arizona 85007. Information regarding participation through a limited appearance or as a party at the hearing may be obtained by contacting the Arizona Corporation Commission's Consumer Services Section at 1-800-222-7000 or 602-542-4251.

8/12/16

4244

WWR-5

M SH MOYES SELLERS & HENDRICKS

JAY I. MOYES • 602-604-2106 • jimoyes@law-msh.com
 1850 N. Central Avenue, Suite 1100 • Phoenix, AZ 85004 • fax 602.274.9135

August 2, 2016

**VIA CERTIFIED MAIL
 RETURN RECEIPT REQUESTED**

Yuma County Board of Supervisors
 198 S. Main Street
 Yuma, AZ 85364

Re: White Wing Ranch Gen-tie Project
 Docket No. L-00000ZZ-16-0269-00172
 Case No. 172

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT <small>(Domestic Mail Only; No Insurance Coverage Provided)</small>	
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OFFICIAL USE	
Postage \$ Certified Fee Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & Fees \$	Postmark Here
Sent To <i>Yuma County Board of Supervisors</i> Street, Apt. No., or PO Box No. <i>198 S. Main St.</i> City, State, ZIP+4 <i>Yuma, AZ 85364</i>	
PS Form 3800, June 2002 See Reverse for Instructions	

Dear Supervisors:

Pursuant to A.R.S. 40-360.04(A), enclosed is a copy of the Notice of Hearing before the Arizona Power Plant and Transmission Line Siting Committee and a copy of the Application of White Wing Ranch Gen-Tie Project for a Certificate of Environmental Compatibility, for the above-referenced project.

If you have any questions or need additional information, please feel free to contact us. Thank you.

Sincerely,



JIM/ikk
 Enclosure
 Cc: Docket Control
 Max Bakker
 Ian Calkins

SENDER: COMPLETE THIS SECTION <ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: <i>Yuma County Board of Supervisors 198 S. Main St. Yuma, AZ 85364</i>	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>BM Villaneda</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee B. Received by (Printed Name) <i>B Villaneda</i> C. Date of Delivery <i>8-3-16</i> D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:
 9590 9402 1247 5246 8422 65	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)
2. Article Number (Transfer from service label) 7003 1010 0002 2662 0341	<input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery

WWR-6



MOYES SELLERS & HENDRICKS

JAY I. MOYES • 602-604-2106 • jimoyes@law-msh.com
1850 N. Central Avenue, Suite 1100 • Phoenix, AZ 85004 • fax 602.274.9135

August 2, 2016

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Dateland Elementary School
1300 S. Avenue 64 E
Dateland, AZ 85333

Re: White Wing Ranch Gen-tie Project
Docket No. L-00000ZZ-16-0269-00172
Case No. 172

HEED 2992 2000 DTOT E002

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To: *Dateland Elementary School*
Street, Apt. No., or PO Box No.: *1300 S. Avenue 64 E*
City, State, ZIP+4: *Dateland AZ 85333*

PS Form 3800, June 2002 See Reverse for Instructions

To whom it may concern:

Pursuant to A.R.S. 40-360.04(A), enclosed is a copy for your library of the Notice of Hearing before the Arizona Power Plant and Transmission Line Siting Committee and a copy of the Application of White Wing Ranch Gen-Tie Project for a Certificate of Environmental Compatibility, for the above-referenced project.

If you have any questions or need additional information, please feel free to contact us. Thank you.

Sincerely,

JIM/lkk

Enclosure

Cc: Docket Control
Max Bakker
Ian Calkins

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <i>Kaleva Pindoria</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Kaleva Pindoria</i> C. Date of Delivery <i>8/4/16</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p>
<p>1. Article Addressed to: <i>Dateland Elementary School 1300 S Avenue 64 E Dateland, AZ 85333</i></p>	<p>3. Service Type</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery
<p>2. Article Number (Transfer from service label) 9590 9402 1247 5246 8422 72</p>	

WWR-7



MOYES SELLERS & HENDRICKS

JAY I. MOYES • 602-604-2106 • jimoyes@law-msh.com
1850 N. Central Avenue, Suite 1100 • Phoenix, AZ 85004 • fax 602.274.9135

August 2, 2016

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Yuma County Library District
2951 S. 21st Drive
Yuma, AZ 85364

Re: White Wing Ranch Gen-tie Project
Docket No. L-00000ZZ-16-0269-00172
Case No. 172

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Here

Sent To: Yuma County Library Dist
Street, Apt. No., or PO Box No.: 2951 S 21st Drive
City, State, ZIP+4: Yuma, AZ 85364

PS Form 3800, June 2002 See Reverse for Instructions

To whom it may concern:

Pursuant to A.R.S. 40-360.04(A), enclosed is a copy of the Notice of Hearing before the Arizona Power Plant and Transmission Line Siting Committee and a copy of the Application of White Wing Ranch Gen-Tie Project for a Certificate of Environmental Compatibility, for the above-referenced project.

If you have any questions or need additional information, please feel free to contact us. Thank you.

Sincerely,

JIM/lkk

Enclosure

Cc: Docket Control
Max Bakker
Ian Calkins

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Signature]</i> C. Date of Delivery 8-3-16</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p>
<p>1. Article Addressed to: Yuma County Library Dist 2951 S. 21st Drive Yuma, AZ 85364</p>	<p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</p> <p><input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>
<p>2. Article Number (Transfer from service label)</p>	<p>9590 9402 1247 5246 8422 89</p>

WWR-8

AFFP
WHITE WING GEN-TIE PROJECT

Affidavit of Publication

STATE OF ARIZONA }
COUNTY OF YUMA } SS

Lisa Reilly or Kathy White, being duly sworn, says:

That she is Publisher or Business Manager of the Yuma Sun, a daily newspaper of general circulation, printed and published in Yuma, Yuma County, Arizona; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

August 08, 2016, August 11, 2016

That said newspaper was regularly issued and circulated on those dates.

SIGNED:

[Signature]

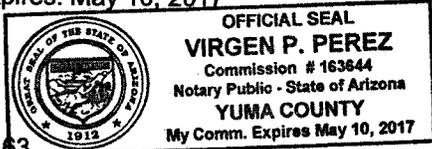
Publisher or Business Manager

Subscribed to and sworn to me this 11th day of August 2016.

[Signature]

Virgen P Perez, Notary, Yuma County, Arizona

My commission expires: May 10, 2017



00008044 00098463

MOYES SELLERS & SIMS MOYES SELLERS
MOYES SELLERS & SIMS
1850 N. CENTRAL AVENUE #1100
PHOENIX, AZ 85004

NOTICE OF HEARING
Docket No. L-00000ZZ-16-0269-00172
Case No. 172
BEFORE THE ARIZONA POWER PLANT AND TRANSMISSION LINE SITING COMMITTEE

In the matter of the Application of White Wing Ranch North, LLC, in conformance with the requirements of Arizona Revised Statutes 40-360.03 and 40-360.06, for a Certificate of Environmental Compatibility authorizing construction of the White Wing Gen-Tie Project, an approximately 3.5 mile gen-tie transmission line and associated substation facilities interconnecting to the existing Hoodoo Wash Substation approximately 10 miles north and 3 miles east of Dateland, Yuma County, Arizona.

A PUBLIC HEARING WILL BE HELD before the Arizona Power Plant and Transmission Line Siting Committee ("Committee") regarding the Application of White Wing Ranch North, LLC, for a Certificate of Environmental Compatibility ("CEC") authorizing construction of one (1) approximately 3.5-mile long, either 500KV, 230KV or 115KV, gen-tie transmission line and up to two (2) associated substations (collectively, the "White Wing Gen-Tie Project") interconnecting a proposed photovoltaic (PV) solar generating facility to the existing Hoodoo Wash 500KV substation in Section 34, T5S, R12W, GASRDIM, Yuma County, approximately 10 miles north and 3 miles east of Dateland, Arizona.

The hearing will be held at the **Hampton Inn & Suites - Yuma**, located at 1600 E. 16th Street, Yuma, AZ 85365, Telephone: 929-329-5800. The hearing will begin on **Monday, September 12, 2016 at 9:30 a.m.**, and as necessary continue on **Tuesday, September 13, 2016 at 9:30 a.m.** The hearing will adjourn at approximately 5:00 p.m. or earlier at the discretion of the Committee Chairman.

Additional hearings, if necessary, will be noticed on the White Wing Gen-Tie Project website at: www.WhiteWingGen-Tie.com and on the Arizona Corporation Commission (ACC) website at: www.azcc.gov/AZ_Power_Plant/LineSiting-Calendar.asp.

PUBLIC COMMENT MAY BE TAKEN AT THE BEGINNING OF EACH HEARING DAY OR AT OTHER TIMES DURING THE HEARING AT THE DISCRETION OF THE COMMITTEE CHAIRMAN.

The Chairman may, at his discretion, recess the hearing to a time and place to be announced during the hearing, or be determined after the recess. The date, time and place at which the hearing will be resumed will be posted on the above-noted White Wing Gen-Tie Project website and the ACC website. **NOTE: NOTICE OF ANY SUCH RESUMED HEARING WILL BE GIVEN; HOWEVER, PUBLISHED NOTICE OF SUCH RESUMED HEARING IS NOT REQUIRED.**

The Committee, at its discretion, may tour the White Wing Gen-Tie Project location on Monday, September 12, 2016, departing at approximately 1:30 p.m. from the Hampton Inn & Suites - Yuma, or at an alternate date and time as determined by the Chairman. The map and itinerary for the tour will be available at the hearing and posted on the White Wing Gen-Tie Project website. Members of the public may follow the Committee on the tour in personal vehicles. During the tour the Committee may hear brief testimony at stops on the tour from one or more witnesses concerning where the stops are located, what is visible at the stops, and the relevance of the location and view to the facilities in the Application. No other discussion or deliberation concerning the Application will occur during the tour. Any testimony taken or comments made in or by the Committee during the tour will be recorded for transcription and made available as part of the hearing record.

The below map identifies the proposed location of the White Wing Gen-Tie Project:

Copies of the Application, containing detailed maps of the White Wing Gen-Tie Project site and detailed information about the proposed facilities, and copies of the transcripts will be available for inspection at the following locations:

- Docket Control Center of the ACC Phoenix Office at 1200 West Washington Street, Suite 106, Phoenix, AZ 85007
- Dateland Elementary School Library, 1300 S. Avenue 64 E, Dateland, AZ
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Any domestic non-profit corporation or association formed in whole or in part to promote conservation of natural beauty, to protect the environment, personal health or other biological values, to preserve historical sites, to promote consumer interests, to represent commercial and industrial groups, or to promote the orderly development of the area in which the White Wing Gen-Tie Project are to be located and desiring to become a party to the proceedings shall, not less than ten days before the date set for hearing, file with the Director of Utilities, Arizona Corporation Commission, 1200 West Washington Street, Phoenix, Arizona 85007 a notice of intent to be a party.

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This proceeding is governed by Arizona Revised Statutes Sections 40-360 to 40-360.13 and Arizona Administrative Code R14-3-201 to R14-3-220. No substantive communication not in the public record may be made to any member of the Committee. The written decision of the Committee will be submitted to the Arizona Corporation Commission pursuant to Arizona Revised Statutes Section 40-360.07. Any person intending to be a party to the proceedings on these matters before the Arizona Corporation Commission must be a party to the proceedings before the Committee.

ORDERED this 2nd day of August, 2016.

[Signature]

Thomas K. O'Connell
Assistant Attorney General

Daily August 8, 11, 2016 - 00098463

AFFP
WHITE WING GEN-TIE PROJECT

Affidavit of Publication

STATE OF ARIZONA }
COUNTY OF YUMA } SS

Lisa Reilly or Kathy White, being duly sworn, says:

That she is Publisher or Business Manager of the Yuma Sun, a daily newspaper of general circulation, printed and published in Yuma, Yuma County, Arizona; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

August 08, 2016, August 11, 2016

That said newspaper was regularly issued and circulated on those dates.

SIGNED:

[Signature]

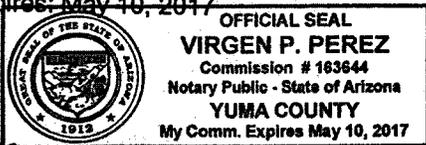
Publisher or Business Manager

Subscribed to and sworn to me this 11th day of August 2016.

[Signature]

Virgen P Perez, Notary, Yuma County, Arizona

My commission expires: May 10, 2017



00008044 00098463

MOYES SELLERS & SIMS MOYES SELLERS
MOYES SELLERS & SIMS
1850 N. CENTRAL AVENUE #1100
PHOENIX, AZ 85004

NOTICE OF HEARING
Docket No. L-000022-16-0289-00172
Case No. 172
BEFORE THE ARIZONA POWER PLANT AND TRANSMISSION LINE SITING COMMITTEE

In the matter of the Application of White Wing Ranch North, LLC, in conformance with the requirements of Arizona Revised Statute 40-360.03 and 40-360.06, for a Certificate of Environmental Compatibility authorizing construction of the White Wing Gen-Tie Project, an approximately 3.5 mile gen-tie transmission line and associated substation facilities interconnecting to the existing Hoodoo Wash Substation approximately 10 miles north and 3 miles east of Dateland, Yuma County, Arizona.

A PUBLIC HEARING WILL BE HELD before the Arizona Power Plant and Transmission Line Siting Committee ("Committee") regarding the Application of White Wing Ranch North, LLC, for a Certificate of Environmental Compatibility ("CEC") authorizing construction of one (1) approximately 3.5-mile long, either 500KV, 230KV or 115KV, gen-tie transmission line and up to two (2) associated substations (collectively, the "White Wing Gen-Tie Project") interconnecting a proposed photovoltaic (PV) solar generating facility to the existing Hoodoo Wash 500KV substation in Section 34, T5S, R12W, G4SRM, Yuma County, approximately 10 miles north and 3 miles east of Dateland, Arizona.

The hearing will be held at the Hampton Inn & Suites -Yuma, located at 1600 E. 16th Street, Yuma, AZ 85065. Telephone: 928-329-5600. The hearing will begin on **Monday, September 12, 2016 at 8:30 a.m.** and as necessary continue on **Tuesday, September 13, 2016 at 8:30 a.m.** The hearing will adjourn at approximately 5:00 p.m. or earlier at the discretion of the Committee Chairman.

Additional hearings, if necessary, will be noticed on the White Wing Gen-Tie Project website at: www.WhiteWingGenTie.com and on the Arizona Corporation Commission ("ACC") website at: www.azcc.gov/AZ_Power_Plant/LineSiting-Calendar.asp

PUBLIC COMMENT MAY BE TAKEN AT THE BEGINNING OF EACH HEARING DAY OR AT OTHER TIMES DURING THE HEARING AT THE DISCRETION OF THE COMMITTEE CHAIRMAN.

The Chairman may, at his discretion, recess the hearing to a time and place to be announced during the hearing, or to be determined after the recess. The date, time and place at which the hearing will be resumed will be posted on the above-noted White Wing Gen-Tie Project website and the ACC website. **NOTE: NOTICE OF ANY SUCH RESUMED HEARING WILL BE GIVEN; HOWEVER, PUBLISHED NOTICE OF SUCH RESUMED HEARING IS NOT REQUIRED.**

The Committee, at its discretion, may tour the White Wing Gen-Tie Project location on Monday, September 12, 2016, departing at approximately 1:30 p.m. from the Hampton Inn & Suites -Yuma, or at an alternate date and time as determined by the Chairman. The map and itinerary for the tour will be available at the hearing and posted on the White Wing Gen-Tie Project website. Members of the public may follow the Committee on the tour in personal vehicles. During the tour the Committee may hear brief testimony at stops at the four from one or more witnesses concerning where the stops are located, what is visible at the stops, and the relevance of the location and view to the facilities in the Application. No other discussion or deliberation concerning the Application will occur during the tour. Any testimony taken or comments made to or by the Committee during the tour will be recorded for transcription and made available as part of the hearing record.

The below map identifies the proposed location of the White Wing Gen-Tie Project.

Copies of the Application, containing detailed maps of the White Wing Gen-Tie Project site and detailed information about the proposed facilities, and copies of the transcripts will be available for inspection at the following locations:

- Docket Control Center of the ACC Phoenix Office at 1200 West Washington Street, Suite 106, Phoenix, AZ 85007
- Dateland Elementary School Library, 1300 S. Avenue 64 E, Dateland, AZ
- Yuma County Main Public Library, 2951 S. 21st Drive, Yuma, AZ
- White Wing Gen-Tie Project website, www.WhiteWingGenTie.com

Each county and municipal government and state agency interested in the proposed White Wing Gen-Tie Project and desiring to be a party to the proceedings shall, not less than ten days before the date set for hearing, file with the Director of Utilities, Arizona Corporation Commission, 1200 West Washington Street, Phoenix, Arizona 85007 a notice of intent to be a party.

Any domestic non-profit corporation or association formed in whole or in part to promote conservation of natural beauty, to protect the environment, personal health or other biological values, to preserve historical sites, to promote consumer interests, to represent commercial and industrial groups, or to promote the orderly development of the area in which the White Wing Gen-Tie Project are to be located and desiring to become a party to the proceedings shall, not less than ten days before the date set for hearing, file with the Director of Utilities, Arizona Corporation Commission, 1200 West Washington Street, Phoenix, Arizona 85007 a notice of intent to be a party.

The Committee or its Chairman, at any time deemed appropriate, may make other persons parties to the proceeding.

Any person may make a limited appearance at a hearing by filing a statement in writing with the Director of Utilities, Arizona Corporation Commission, 1200 West Washington Street, Phoenix, Arizona 85007, not less than five days before the date set for hearing. A person making a limited appearance shall not be a party or have the right to present testimony or cross-examine witnesses.

This proceeding is governed by Arizona Revised Statutes Sections 40-360 to 40-360.13 and Arizona Administrative Code R14-3-201 to R14-3-220. No substantive communication not in the public record may be made to any member of the Committee. The written decision of the Committee will be submitted to the Arizona Corporation Commission pursuant to Arizona Revised Statutes Section 40-360.07. Any person intending to be a party to the proceedings on these matters before the Arizona Corporation Commission must be a party to the proceedings before the Committee.

ORDERED this 2nd day of August, 2016.
As **THOMAS K. CHEVAL**
Thomas K. Cheval, Chairman
Arizona Power Plant and Transmission
Line Siting Committee
Assistant Attorney General
Daily August 8, 11, 2016 - 00098463

WWR-9

M SH MOYES SELLERS & HENDRICKS

JAY I. MOYES • 602-604-2106 • jimoyes@law-msh.com
1850 N. Central Avenue, Suite 1100 • Phoenix, AZ 85004 • fax 602.274.9135

August 9, 2016

VIA HAND DELIVERY

Peter Vasquez
Business Office
Arizona Corporation Commission
1300 W. Washington
Phoenix, AZ 85003

RE: White Wing Ranch North, LLC Gen-tie Project; Docket No. L-00000ZZ-16-0269-00172,
Case No. 172; Financial Arrangements for Line Siting Committee Expenses

Dear Sir or Madam:

Pursuant to A.R.S. § 40-360.10, on August 1, 2016, we delivered to the Commission Business Office a check for \$1000 payable to the Arizona Power Plant & Transmission Line Siting Committee to cover the statutory filing fee in the above-referenced docket. On August 8, 2016, Chairman Thomas Chenal of the Line Siting Committee issued a Procedural Order which included the following order:

5. The Applicant shall contact the appropriate member of the staff of the Commission, and advise them of the Applicant's position concerning reimbursement of the Line Siting Fund should the expenses of the hearings exceed the application fee, and discuss financial arrangements regarding hotel reservations and other expenses of the Line Siting Committee Members. A.R.S. § 40-360.10. The Applicant shall advise the Chairman of the results of these discussions so the necessary information may be communicated to the Line Siting Committee Members.

In accordance with the Chairman's order, we are writing this letter to confirm that, to the extent additional funds are needed to meet expenses incurred by the Line Siting Committee in accordance with A.R.S. § 40-360.10, we are prepared to provide on behalf of the Applicant the additional check(s) to the Utility Siting Fund as necessary to cover the reimbursement of such expenses. Please contact us at any time with questions. We will expect to hear from you in this regard upon conclusion of the Committee's activities in this docket.

Respectfully yours,



Jay I. Moyes

JIM/lkk

cc: via email
Chairman Chenal
Thomas Broderick
Max Bakker

WWR-10

1 ORIGINAL & 25 copies of the
2 foregoing were filed with Docket
Control on the 3rd day of August, 2016.

3
4 Copies were delivered by U.S. Mail
and electronic mail the 3rd
5 day of August, 2016, to:

6 Thomas Chenal, Chairman
7 Arizona Power Plant and Transmission
Line Siting Committee
8 15 S. 15th Avenue
Phoenix, AZ 85007
9 Thomas.Chenal@azag.gov

10 Coash & Coash Inc.
11 1802 N. 7th Street
Phoenix, AZ 85006
12 staff@coashandcoash.com

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WWR-11

ORIGINAL

1 Jason Y. Moyes, No. 025864

2 Jay I. Moyes, No. 07207

3 MOYES SELLERS & HENDRICKS LTD.

4 1850 N. Central Avenue, Suite 1100

5 Phoenix, Arizona 85004

6 (602)-604-2139

7 (602)-604-2106

8 jasonmoyes@law-msh.com

9 jimoyes@law-msh.com

10 Attorneys for White Wing Ranch North, LLC

RECEIVED

2016 JAN 29 P 4: 21

AZ CORP COMMISSION
DOCKET CONTROL

BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

13 DOUG LITTLE, ACTING CHAIRMAN

14 BOB STUMP

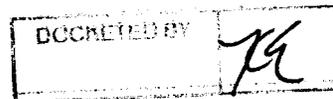
15 TOM FORESE

16 BOB BURNS

Arizona Corporation Commission

DOCKETED

JAN 29 2016



17 **IN THE MATTER OF**
18 **WHITE WING RANCH NORTH, LLC'S**
19 **TEN YEAR PLAN**

Docket No. E-00000D-15-0001

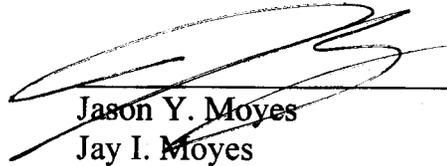
NOTICE OF FILING TEN YEAR PLAN

22
23 In accordance with Section 40-360.02 of the Arizona Revised Statutes, White
24 Wing Ranch North, LLC, files its Ten Year Plan for the substation and gen-tie
25 transmission facilities associated with the proposed White Wing Solar Project, including
26 the System Impact Study prepared with respect to such facilities.
27

28 ////

1 DATED this 29th day of January, 2016.

2 **MOYES SELLERS & HENDRICKS LTD.**

3
4 
5 _____

Jason Y. Moyes

Jay I. Moyes

Attorneys for White Wing Ranch North, LLC

6
7
8 Original and 13 copies filed this
9 29th day of January, 2016:

10 Docket Control
11 Arizona Corporation Commission
12 1200 West Washington Street
13 Phoenix, Arizona 85007

14 
15 _____

WHITE WING RANCH NORTH, LLC
Ten Year Plan
For Proposed Transmission Facilities
(in-service as early as 2018)

Line Description

White Wing Solar Project Substation and Gen-tie Line

Size

- **Voltage** 34.5/500kV step up transformers and approximately 3 miles of 500kV AC gen-tie transmission line from the high side of the step up transformer to the existing Hoodoo Wash Substation adjacent to the Agua Caliente solar facility in Yuma County, AZ.
- **Capacity** Gen-tie will only serve an estimated 200MW photovoltaic solar generating facility.
- **Point of Origin** A 34.5/500kV substation to be constructed at the White Wing Solar Project, a photovoltaic solar generating facility proposed for development on approximately 1,450 gross acres located north of and adjacent to the existing Agua Caliente solar facility, north of Palomas Road between Avenue 66E and Avenue 68E, Dateland, Yuma County, Arizona.
- **Termination Point** The existing Hoodoo Wash Substation.
- **Length** Approximately 3 miles, depending upon the final route and location of the new substation within the proposed White Wing Solar Project.
- **General Route** TBD. See attached map of proposed routes. The gen-tie line will run generally from the new substation to be located on the White Wing Solar Project, southerly approximately 3 miles directly into the existing Hoodoo Wash Substation.
- **Purpose** The new step-up substation and gen-tie line will interconnect the proposed White Wing Solar Project generation with the regional transmission grid at the existing Hoodoo Wash Substation.

Date

- Estimated Construction Start TBD [As early as Q-1 of 2017]
- Estimated In-Service TBD [As early as Q-4 of 2018]
- Is Certificate Necessary? Yes, for substation and 500kV gen-tie.

System Impact Study: See attached System Impact Study Report prepared for Arizona Public Service Company by Utilities System Efficiencies, Inc.

END

(Not reprinted here due to extensive volume)



Q225 White Wing Ranch Solar Generator Interconnection Project

System Impact Study

APS Contract No. 52790

By

**Arizona Public Service Company
Transmission Planning**

November 12, 2015

Version 1.1

Prepared by
Utility System Efficiencies, Inc.

WWR-12

WWR-13

WHITE WING GEN-TIE PROJECT

CASE 172
Before the
Arizona Power Plant and Transmission Line Siting Committee
Hearing set for
September 12-13, 2016

SUMMARIES OF EXPECTED DIRECT TESTIMONY

1. **Kathryn Arbeit**, Director, Project Development, First Solar, Inc.

Ms. Arbeit's biographical information is attached.

Ms. Arbeit will briefly introduce the corporate structure and ownership of the Applicant, White Wing Ranch North, LLC, and its parent company, First Solar, Inc. She will present general background information regarding the renewable energy experience of First Solar and the White Wing team, the presently operating utility scale solar energy projects that First Solar has developed, and other projects currently in development. Her remarks will provide support for a finding of experience and financial capability necessary to achieve the objectives of the White Wing Gen-tie Project to interconnect the associated White Wing Solar Project.

Ms. Arbeit will also set a policy backdrop for the White Wing Gen-tie Project and the need for the Project in connection with the White Wing Solar Project. She will speak to the evolving public policy of encouraging solar energy development in the state of Arizona, both for use by Arizona utilities and customers and the broader southwest renewable energy markets. She will speak to the nature of the market for renewable energy in Arizona and the southwest, and how the Project fits into the procurement and power purchase agreement negotiation processes that typify the functions of that marketplace.

WITNESSES 2, 3 and 4 will present testimony as a single panel

2. Max Bakker, Atlas Renewable Power, Project Development Manager

Mr. Bakker's testimony will present an overview of the White Wing Gen-tie Project. His testimony will describe the location and the physical components of the Gen-tie Project facilities. Mr. Bakker will also provide an overview of the associated, proposed White Wing Solar Project photovoltaic generation facility for the interest and information of the Siting Committee. He will address the status of the White Wing Solar Project-specific marketing efforts to secure a customer and power purchase agreement that will allow for financing and construction of the Solar Project, and confirm the need for the Gen-tie Project to interconnect the White Wing Solar Project into the grid.

3. Jim Filippi, Director, Transmission & Interconnection, First Solar, Inc.

Mr. Filippi's testimony will address the transmission system impact technical studies and approvals that have been completed or are underway. He will testify about the status of ongoing negotiations with Arizona Public Service Company-as agent for the owners of the Hoodoo Wash Substation-leading to the contractual arrangements required in order for the Gen-tie Project to interconnect the White Wing Solar Project to the grid at the Hoodoo Wash Substation. He will also address the technical practicability of the Gen-tie Project and First Solar's experience with equipment and methods for achieving the Gen-tie Project's objectives.

4. Randy Schroeder: Principal, EnValue, Project Environmental Consultant

Mr. Schroeder will testify regarding the environmental investigations, assessments and studies completed on the lands affected by the White Wing Gen-tie Project. He will address each of the statutory factors required to be considered in issuing a Certificate of Environmental Compatibility, pursuant to A.R.S. § 40-360.06. Mr. Schroeder will also testify about the public outreach program that has been undertaken by the Applicant to ensure public knowledge and opportunity for input, including media notices and targeted mailings, the public open house, the Project toll-free number and the Project website.

Kathryn Arbeit, Regional Director, Project Development, First Solar, Inc.

Kathryn is currently leading development activities in the Southwest, including the 179 MW Playa Solar Project in Nevada. Kathryn has eighteen years of experience working with electric utilities in the U.S. and Canada, and fifteen years of experience focused on large-scale renewable energy project development. She previously led First Solar's project development activities in the Eastern U.S. and Texas. She also led development of the 550 MW Topaz Solar Farm in San Luis Obispo County that is owned by Mid-American and currently under construction.

Prior to joining First Solar, Kathryn was a Director of Business Development at OptiSolar Inc., initiating the development of Topaz and building a strategic solar project portfolio in the Western U.S.

In a previous position at Orion Energy LLC (now BP Alternative Energy), she led the development of 682 MW of wind energy projects currently operating in Oregon and Texas.

Prior to Orion, Kathryn worked in energy efficiency and renewable energy consulting.

Kathryn received a BS degree in Earth Systems Science, with honors, and a focus in Energy Science and Technology, from Stanford University.

MAX A. BAKKER

BIOGRAPHY

Max is the president of Atlas Renewable Power, a renewable energy consulting company. Atlas manages renewable energy projects throughout all stages of the development cycle from site control and permitting, power sale negotiations, financing and construction.

Before starting Atlas, Max was responsible for all project development and utility-system sales for the Southwestern US region at First Solar. While at First Solar he originated and acquired utility-scale PV projects and led their development into construction and operation.

Max was also an early member of NextLight Renewable Power, where he supported and managed the origination and development of 970 MW of US solar projects with PPAs that were won through utility power solicitations.

SUMMARY

Energy professional with substantive experience in utility-scale project development, acquisition, strategy, and finance. Specialties include project origination, project planning and management, due diligence, and commercial negotiations.

EDUCATION

M.B.A. Presidio Graduate School, California
B.S. Northern Arizona University, Arizona

EXPERIENCE

ATLAS RENEWABLE POWER

Principal

With expertise in project development, acquisitions, financing, and joint ventures, Atlas provides project development and transactional consulting to companies and organizations in the renewable energy sector.

FIRST SOLAR

Manager, Development

Responsible for utility-scale solar power plant development, origination/sales, site identification and acquisition, PPA/EPC negotiations, M&A Valuation and Feasibility, environmental permitting, stakeholder management.

NEXTLIGHT RENEWABLE POWER

Associate, Development

Responsible for site identification and acquisition, financial and market analysis, permitting, resource monitoring, and early stage project definition.

LIVENEUTRAL

MBA Intern, Strategy

Responsible for originating and marketing carbon credits in the United States and Europe.

HVS

Financial and Valuation Analyst

Extensive financial analysis, valuation, forecasting and economic feasibility analysis with a focus on the commercial real estate sector.

**PROJECTS
IN OPERATION**

17 MW_{AC} Paloma Project, Maricopa County, Arizona
Development Manager

50 MW_{AC} Macho Springs Project, Luna County, New Mexico
Acquisition Due Diligence & Development Manager

22 MW_{AC} PNM Portfolio II, New Mexico
Business & Development Manager

290 MW_{AC} Agua Caliente Project, Yuma County, Arizona
Development Support

230 MW_{AC} Antelope Valley Solar Ranch One, Los Angeles County, California
Development Support

60 MW_{AC} Northstar Project, Fresno County, California
Acquisition Due Diligence & Development Manager

**PROJECTS UNDER
DEVELOPMENT**

150 MW_{AC} Sun Streams Project, Maricopa County, Arizona
Development Manager

150 MW_{AC} Sun Streams 2 Project, Maricopa County, Arizona
Development Manager

50 MW_{AC} Mesa Solar Project, Pinal County, Arizona
Development Manager

20 MW_{AC} Mini-Mesa Solar Project, Pinal County, Arizona
Development Manager

700 MW_{AC} Early Stage Projects, Arizona
Development Manager

Jim Filippi
Transmission & Interconnection Consultant
AllSourcePPS
(510) 364-5125
jim.filippi008@gmail.com

Mr. Filippi is a consultant to First Solar and is employed by AllSourcePPS. On June 1, 2016, he retired as Director of Transmission and Interconnection at First Solar, where he was responsible for the transmission-related activities to plan, site, permit and interconnect First Solar's new utility-scale generation projects in the Western Interconnection, including the 290 MW Agua Caliente Solar Project in Arizona and the 250 MW Antelope Valley Solar Ranch One Project in California, both now in operation.

Mr. Filippi joined First Solar in 2010 with its acquisition of NextLight Renewable Power, where he was the Director of Transmission. Prior to joining NextLight, he was Principal Planning Engineer for Pacific Gas & Electric and represented PG&E on electric transmission planning issues in inter-utility contract negotiations and litigation, state regulatory proceedings, industry associations and joint utility transmission expansion projects.

Prior to that, Mr. Filippi was Manager, Transmission Services for PG&E National Energy Group (NEG) responsible for the transmission-related activities for NEG's new generation projects in the West, including the Harquahala Generating Station in Arizona. Mr. Filippi has served as Chair of the Planning Coordination Committee of the Western Electricity Coordinating Council (WECC), as well as Chair of the Joint Guidance Committee, and most recently he was Chair of the Transmission Expansion Planning Technical Advisory Subcommittee. He is registered in California as a Professional Engineer in electrical engineering.

RANDY SCHROEDER

EDUCATION

- **Masters of Science** (Environmental Science)
Colorado State University
- **Bachelor of Science** (Natural Resource Management)
Colorado State University

CERTIFICATIONS/AFFILIATIONS

- Registered Environmental Professional, REP 5189
- Registered Environmental Assessor, REA 02735
- Registered Environmental Property Assessor, REPA 1011
- National Registry of Environmental Professionals
- National Association of Environmental Professionals
- International Association of Impact Assessment

SPECIALTIES

- *Project Planning*
- *Permit Acquisition*
- *Strategy Development*
- *Environmental Impact Assessment*
- *Agency Negotiation*
- *Public Involvement*

EXPERIENCE

39 YEARS

- **ENValue**
Principal
- **Greystone**
Principal
- **Espey, Huston and Associates**
Project Manager
- **Stearns-Roger Engineering Corporation**
Environmental Planner

Mr. Schroeder has provided planning and permitting services for the development of many energy projects throughout the country. He has developed and implemented comprehensive strategies for project planning including comprehensive routing and siting studies and public / stakeholder outreach programs. He has also acquired all permits and approvals for individual projects as well as providing strategic input for regional development policies and programs. He has managed numerous interagency coordination processes, provided testimony for many energy projects, and has successfully negotiated and resolved issues and disputes through use of his knowledge of technical issues, environmental laws, and regulatory processes.



Mr. Schroeder has provided environmental planning and permitting services for many energy projects throughout the United States. These projects have included many transmission lines, power generation projects, renewable energy projects, and pipelines.

He has conducted siting studies to identify the optimal locations for projects considering the constraints, avoidance areas, and opportunities associated with various siting alternatives. He has also prepared Environmental Impact Statements (EISs) and Environmental Assessments (EAs) to satisfy the requirements of the National Environmental Policy Act (NEPA) when federal lands or other federal jurisdiction is involved. He has also prepared the environmental documents necessary to satisfy State Siting Act requirements. He has managed the acquisition of other needed permits such as 404 permits for stream and wetland crossings, air permits, water discharge permits, and right-of-way permits. He has developed mitigation plans for these projects and has also prepared detailed Plans of Construction that itemize the various mitigation requirements for specific portions of the project.

Transmission Lines

Mr. Schroeder has also provided planning and permitting services for many transmission projects. The work he has done on these projects has been for utilities, independent power producers, and units of government. These transmission line projects he has worked on have included both stand-alone transmission projects and those associated with interconnection of planned generation projects. He has analyzed over 75 transmission projects ranging from 500kV and 345kV lines to 69kV lines. He has also worked on many substation projects. Some of the transmission / substation projects that Mr. Schroeder has worked on include:

- NG-IV#2 500 kV Line
- PV-PW 500 kV Line
- Sunrise Power Link 500 kV Line
- Gardiner Park 345 kV Line
- PW-SEV 500 kV Line
- WETT 345 kV Lines
- Green Energy Express 500 kV Line
- WY-MT 230 kV Line
- Rockdale-West Middleton 345 kV Line
- Bay-Lake 345 kV Line
- Welton-Mohawk 230 kV Line
- DSWTP 500 kV Line
- BN-BS 230 kV Line
- Sundance Energy 230 kV Line
- Griffith Energy 230 kV Lines
- Westlake Energy 230 kV Line
- CB 345 Project
- M-IH 500 kV Project
- Chisago 345 kV Line
- CO-NM 345 kV Line
- Dry Fork Energy 230 kV Line
- Oregon Trail 345 kV Line
- Mountain View 230 kV Line
- CO-NM 230 kV Line
- Summit-Westward 230 kV Line
- Marys Lake 115 kV Line
- Blue Diamond 230 kV Line
- Southline 345 kV Line
- Moapa 230 kV Line
- Northern Lights 500 kV Line
- CA 500 kV Routing Study

Power Generation Projects

Mr. Schroeder has provided planning and environmental services for many types of power generation projects. These have included gas turbines, coal-fired plants, wind energy projects, cogeneration projects, nuclear plants, waste-to-energy plants, and hydroelectric projects. Many of these projects have provided baseload power and many have been peaking plants. He also has worked on energy storage projects including pumped storage technology. Some of the power generation projects that Mr. Schroeder has helped permit include:

- SPR Acquisition Due Diligence
- Coolidge 400 MW Peaking Project
- Welton-Mohawk 500 MW Project
- Sundance Energy 450 MW Power Plant
- Tehachapi Wind Project
- TC 500 MW Peaking Plant
- Blythe Energy 500 MW Power Plant
- Griffith Energy 600 MW Power Plant
- Westlake Energy 500 MW Power Plant
- Montezuma Energy 500 MW Plant
- Colorado Power Plant Siting Study
- Pastoria 500 MW Power Plant
- NAEP 185 MW Peaking Project
- Dry Fork Energy Storage Project
- Boulder Valley Pumped Storage Project
- Firth Cogeneration Project
- Rawhide Power Station
- Multiple 2000 MW Peaking Plant Siting
- Montana Power Due Diligence
- Oregon Trail 500 MW Power Plant
- CA/NV Geothermal Projects
- Desert Basin 500 MW Power Plant
- Buffalo IGCC 550 MW Power Plant
- Lakeside Power 500 MW Plant
- Mountain View 165 MW Power Plant
- Summit-Westward 500 MW Power Plant
- Blue Diamond Pumped Storage Project
- Ketchikan Lakes Hydroelectric Project
- Brush Cogeneration Unit
- Spiritwood Power Station
- TS Hydro Project
- SRC Gasification Project
- Antelope Power Station
- Fort St. Vrain Power Plant
- Crystal Creek Pumped Storage



Solar Energy Projects

Mr. Schroeder has successfully sited and permitted many solar energy projects. These have included photovoltaic (PV) projects using both fixed-tilt and tracking systems, concentrating solar (CSP) projects (both trough and tower technology), and concentrating PV (CPV) projects. Some of the solar energy projects that Mr. Schroeder has helped site and permit include:

- White Wing Solar Project
- Agua Caliente 290 MW Solar Project
- Arlington Valley 250 MW Solar Project
- Arlington Valley II 250 MW Solar Project
- Yuma 50 MW Solar Project
- Rio Mesa Solar 500 MW Solar Project
- Campo Verde 140 MW Solar Project
- Paloma 17 MW Solar Project
- Desert Center 50 MW Solar Project
- Borrego 26 MW Solar Project
- 250 MW CSP Solar Siting Study
- Moapa Solar Energy Center
- Quail Run 20 MW Solar Project
- Blythe Airport 100 MW Solar Project
- Centinela 170 MW Solar Project
- Nevada 100 MW Solar Project
- Hyder 100 MW Solar Project
- Adelanto Solar Project
- Multiple Solar Project Due Diligence
- Deming Solar Project
- Quartzite Solar Project
- Centennial Solar Project
- NREL Site EA

Pipeline Projects

Mr. Schroeder has provided environmental planning and permitting services for many pipeline projects throughout the United States. These pipeline projects have included natural gas pipelines, oil pipelines, CO₂ pipelines, NGL pipelines, water pipelines, and slurry pipelines. In addition to the pipelines, Mr. Schroeder has also evaluated associated facilities such as compressor/pump stations, spur lines, and terminals.

- FERC Environmental Training Program
- Baja Spur Routing Study
- TransColorado Pipeline Routing
- Express Pipeline EIS
- Rifle-Avon Pipeline EA
- Northern Tier Pipeline EA
- PSCC Pipeline EA
- Casper-Douglas Pipeline ER/EA
- Springdale-Yenter ER/EA
- North-South Pipeline EA/EIS
- Aledo Extension Pipeline ER
- Front Runner Pipeline ER
- Monument Pipeline EA
- Casper Loop Pipeline EA
- Black Mesa Pipeline Permitting
- FWGA Pipeline EA
- Douglas Spur ER
- Guernsey Compressor Station

WWR-14

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

**Docket No. L-00000ZZ-16-0269-00172
CASE NO. 172**

White Wing Gen-tie Project

**DIRECT TESTIMONY
of
JIM FILIPPI**

On Behalf of Applicant, White Wing Ranch North, LLC

1
2 **DIRECT TESTIMONY OF JIM FILIPPI**
3 **On Behalf of Applicant White Wing Ranch North, LLC**

4 **Case No. 172**

5
6 I. **INTRODUCTION**

7 Q. **Please state your name.**

8 A. My name is Jim Filippi

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

10 A. I am employed by AllSourcePPS as Transmission & Interconnection Consultant to
11 provide consulting services to First Solar Development, LLC, which is my previous
12 employer and the parent company of the Applicant, White Wing Ranch North, LLC
13 (“White Wing Ranch”). Prior to my retirement on June 1, 2016, I was the Director of
14 Transmission & Interconnection for First Solar and was responsible for the
15 transmission-related activities to plan, site, permit and interconnect First Solar’s new
16 utility-scale generation projects in the Western Interconnection.

17 Q. **Please briefly describe your educational background and work experience.**

18 A. A statement of my qualifications is set forth in Attachment 1 [Hearing Exhibit WWR-
19 13].

20 Q. **Please describe your role in the White Wing Ranch Gen-tie Project.**

21 A. Prior to my recent retirement, I was responsible for all activities dealing with the
22 regulatory and contractual elements of interconnecting and delivering the electricity
23 produced from the proposed White Wing Ranch Solar Project into the electrical grid at
24 the Hoodoo Wash Substation, which will be made possible by the proposed Gen-tie
25
26

1 Project Facilities that are the subject of this case. Since retirement, I have provided
2 consulting support for these same aspects of the project.

3 **Q. What is the purpose of your testimony?**

4 **A.** I will describe the technical studies and approvals that have been completed, and the
5 status of ongoing negotiations with the owners of the Hoodoo Wash Substation
6 leading to the contractual arrangements required in order to interconnect the White
7 Wing Ranch Solar Project (“Solar Project”).

8 **II. SUMMARY**

9 **Q. Please summarize your testimony.**

10 **A.** White Wing Ranch is seeking authorization to construct the White Wing Ranch Gen-
11 tie Project, which includes up to two substations and approximately 3.5-mile gen-tie
12 line. The Gen-tie Project will interconnect a proposed photovoltaic (PV) solar
13 generating facility commonly referred to as the White Wing Ranch Solar Project, to
14 the regional electric grid via a 500kV interconnection into the existing Hoodoo Wash
15 Substation. Most of the required system impact studies, power flow, transient stability
16 and short circuit analyses, and facilities studies required for the interconnection have
17 been completed. Staff of the Utilities Division of the Arizona Corporation
18 Commission (“ACC”) has reviewed some of those studies and is expected to yet
19 comment favorably on those studies prior to the hearing. On the Applicant’s behalf,
20 First Solar has been negotiating with Arizona Public Service Company (“APS”), the
21 operating agent for the joint owners of the Hoodoo Wash Substation, regarding the
22 interconnection and construction agreements necessary to implement the desired
23 interconnection.
24
25
26

1 III. DETAILED TESTIMONY REGARDING INTERCONNECTION OF THE WHITE
2 WING RANCH SOLAR FACILITY VIA THE WHITE WING RANCH GEN-TIE
3 PROJECT
4

5 Q. **Please describe the Status of the negotiations and relationship with Arizona**
6 **Public Service Company, California Independent System Operator and**
7 **Identified Affected Systems with respect to interconnection of the White Wing**
8 **Solar Facility at the Hoodoo Wash Substation via the White Wing Gen-tie**
9 **Project Facilities.**
10

11 A. The current status of the interconnection process for the Solar Facility is that most
12 interconnection studies have been completed and approved, and active negotiations
13 with Arizona Public Service are proceeding with mutually satisfactory progress to date
14 on the Large Generator Interconnection Agreement by and between White Wing
15 Ranch North, LLC as Interconnection Customer and Arizona Public Service
16 Company, Imperial Irrigation District (“IID”), San Diego Gas & Electric Company
17 (“SDG&E”), and California Independent System Operator Corporation (“CAISO”).
18

19 APS acts as the Operating Agent of the Joint Participation Project, which
20 includes Hoodoo Wash Substation, pursuant to the Arizona Transmission System
21 Participation Agreement, as amended. APS, IID, and SDG&E own the Joint
22 Participation Project. CAISO is the Balancing Authority for Hoodoo Wash
23 Substation.
24

25 APS posts the status of all requests for generator interconnection to its
26 transmission facilities on its Open Access Same Time Information System

1 (http://www.oasis.oati.com/APS/). The queue list now posted, dated 08/16/2016,
2 confirms that the Solar Facility, which is Queue Position 225, is active in the
3 interconnection process, and that the System Impact Study (SIS) and the Facilities
4 Study (FAS) are available.

5 CAISO posts the status of all requests for generator interconnection to its
6 transmission facilities on its website (<https://rimspub.aiso.com/rim5/logon.do>). The
7 queue list now posted, as of 08/29/2016, confirms that the Solar Facility, which is
8 Queue Position 1062, is active in the interconnection process, and that the Phase I
9 Study has been completed.

11 **Q. Please describe the studies that have been performed in preparation for the**
12 **interconnection, and any responses to those studies from the utility-sponsored**
13 **self-regulating bodies, other affected utilities, or the ACC Staff.**

15 **A.** APS has completed a System Impact Study (“SIS”) for the Solar Project: *Q225 White*
16 *Wing Ranch Solar Generator Interconnection Project System Impact Study By Arizona*
17 *Public Service Company Transmission Planning, November 12, 2015, Version 1.1*

18 The SIS included power flow, transient stability and short circuit analyses.
19 The SIS was vetted with the facilities owners and the Western Arizona Transmission
20 System Task Force (“WATS”), which approved the analyses. A facilities study was
21 requested and APS completed the study and issued a study report: *Q225 Generation*
22 *Interconnection, Interconnection Facilities Study Results, By: Arizona Public Service*
23 *Company Transmission Planning 5/20/2016 [Version Final]* (“FIS”). The SIS was
24
25
26

1 filed with the ACC Utilities Division in conjunction with the Project's Ten Year Plan
2 on January 29, 2016; and the FIS was provided to the ACC Staff on August 26, 2016.

3
4 The California Independent System Operator ("CAISO") in coordination with
5 San Diego Gas & Electric Company ("SDG&E") has completed a Phase I Study for
6 the Solar Project: *Cluster 7 Phase I Interconnection Study Report for the*
7 *interconnection of the proposed Q1062 White Wing Ranch Solar Project to the CAISO*
8 *Controlled Grid, December 17, 2014.* The Phase I study is comparable to a system
9 impact study, and it includes power flow, transient stability and short circuit analyses.

10
11 CAISO and SDG&E also have completed a Phase II study for the Project:
12 *Cluster 7 Phase II Interconnection Study Report for the interconnection of the*
13 *proposed White Wing Ranch Solar Project (Project) to the CAISO Controlled Grid,*
14 *November 24, 2015.* This report was subsequently supplemented by *Queue Cluster 7*
15 *Phase II Report Addendum #1, January 25, 2016.* The Phase II study is comparable to
16 a facilities study.

17
18 On March 2, 2016, CAISO notified WHITE WING RANCH that the White
19 Wing Solar Project did not receive an allocation of TP Deliverability in the annual
20 Deliverability assessment, which is the step in the interconnection process following
21 the Phase II study. The CAISO tariff defines TP Deliverability as "The capability,
22 measured in MW, of the CAISO Controlled Grid as modified by transmission
23 upgrades and additions modeled or identified in the annual Transmission Plan to
24 support the interconnection with Full Capacity Deliverability Status or Partial
25 Capacity Deliverability Status of additional Generating Facilities in a specified
26

1 geographic or electrical area of the CAISO Controlled Grid.” The CAISO tariff
2 requires a project that requests Full Capacity Deliverability Status (which qualifies the
3 qualifying capacity of the generator to be counted for resource adequacy) and
4 reimbursement of Network Upgrade payments, but fails to receive an allocation of TP
5 Deliverability, to elect one of three options: 1) withdraw from the interconnection
6 queue; 2) forgo Full Capacity Deliverability Status and enter into a Generator
7 Interconnection Agreement as an Energy-Only project; or 3) Park the Interconnection
8 Request; in which case the Interconnection Request may remain in the interconnection
9 queue until the next annual allocation of TP Deliverability. In response, WHITE
10 WING RANCH elected to Park 207.3 MWs (which is the Solar Project’s gross
11 maximum output less auxiliary service load) until the next annual Deliverability
12 assessment. WHITE WING RANCH will submit an Affidavit for Projects Seeking
13 TP Deliverability by CAISO’s deadline of November 16, 2016 if the Solar Project
14 meets the minimum requirements to submit the affidavit. (One of the minimum
15 requirements is that the project must be at least shortlisted for a power purchase
16 agreement.) CAISO is scheduled to issue the next TP Deliverability allocation results
17 by March 14, 2017.

21 **Q. Please explain what other studies have yet to be performed in preparation for the**
22 **interconnection.**

23 Following the TP Deliverability Allocation, CAISO will conduct the Annual
24 Reassessment and Downsizing Study and issue the results by August 1, 2017. (Each
25 year, before undertaking the Phase II Interconnection Studies for the next annual
26

1 Interconnection Study Cycle, the CAISO will conduct a reassessment study to
2 conform the base case power flow, short circuit, and stability data bases to account for
3 later conditions since the CAISO performed the Phase II Interconnection Study in the
4 prior Interconnection Study Cycle, and to account for the impact of Downsizing
5 Generators (i.e. queued generation projects that have reduced their MW size). This
6 study may result in some changes in the interconnection requirements.
7

8 On June 2, 2015, CAISO notified WHITE WING RANCH that APS, IID and
9 SRP are Identified Affected Systems for the Solar Project. In addition, the APS
10 Facilities Study stated that the Palo Verde/Hassayampa/ANPP switchyard owners,
11 including IID and SRP, which is the operating agent for the switchyard, are affected
12 systems.
13

14 WHITE WING RANCH is required to work with the identified affected
15 systems and attempt to resolve any issues which affect system reliability. WHITE
16 WING RANCH has contacted SRP, which is working with the Palo
17 Verde/Hassayampa/ANPP switchyard owners to develop a long-term solution for an
18 identified high fault duty at the switchyards. On August 23, 2016, SRP tendered an
19 Affected System Study Agreement. Once WHITE WING RANCH and SRP execute
20 the agreement and WHITE WING RANCH pays the study deposit, SRP will prepare a
21 report explaining the problem, solution, cost and the Project's share of the cost.
22
23

24 WHITE WING RANCH has also signed *Affected System Study Agreement -*
25 *CAISO Q1062 / ANPP Q225 – White Wing Ranch Solar – 200 MW* and submitted it to
26

1 IID on May 19, 2016 for their execution. IID has executed the agreement and
2 commenced the study.

3
4 **Q. Please briefly summarize the status of negotiations between the Applicant and**
5 **the applicable Interconnection Service Providers regarding the proposed**
6 **interconnection.**

7 A. On July 8, 2016, APS, on behalf of CAISO, IID, SDG&E and itself, tendered a draft
8 of the Articles of the Large Generator Interconnection Agreement (“LGIA”), and APS
9 said that the participants and CAISO are currently reviewing the Appendices and are
10 targeting to tender them to WHITE WING RANCH in early September. White Wing
11 Ranch, APS and CAISO have not indicated any dis-satisfaction with the current
12 progress of the interconnection arrangements. Negotiations to finalize the formal
13 interconnection agreement required for the proposed interconnection are actively
14 ongoing and productive. The Applicant has no knowledge of either an impediment to
15 that ongoing process or material reason why the Applicant should not reasonably
16 expect that such agreements will be completed and executed in due course consistent
17 with the timing needs of the White Wing Gen-tie Project. Of course, White Wing
18 Ranch North, LLC will comply with the final terms and conditions of those
19 agreements during construction and subsequent operation of the Project.
20
21

22 **Q. Do you have anything further to add to your direct testimony?**

23 A. No.
24
25
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**BEFORE THE ARIZONA POWER PLANT AND
TRANSMISSION LINE SITING COMMITTEE**

**Docket No. L-00000ZZ-16-0269-00172
CASE NO. 172**

White Wing Gen-tie Project

**DIRECT TESTIMONY
of
Randy Schroeder**

On Behalf of Applicant, White Wing Ranch North, LLC

- 1 • Case 133, Northern Arizona Energy Project
- 2 • Case 126, Pinal West to Southeast Valley 500 kV Transmission Line
- 3 • Case 124, Palo-Verde to Pinal West 500 kV Transmission Line
- 4 • Case 107, Sundance Energy Project
- 5 • Case 090, Griffith Energy Project
- 6
- 7

8 A more detailed resume is attached as Attachment 1.

9
10 **Q. Please describe your role in the White Wing Gen-tie Project.**

11 **A.** I serve as the Project's Environmental Consultant.

12
13 **Q. What is the purpose of your testimony?**

14 **A.** I am going to provide a general overview of the Project and also describe the
15 environmental compatibility of the Project that must be considered when issuing a
16 Certificate of Environmental Capability ("CEC") per A.R.S. § 40-360.06.

17
18 **II. SUMMARY**

19
20 **Q. Please summarize your testimony regarding the overview of the Project.**

21 **A.** White Wing Ranch North, LLC is seeking a certificate to construct and operate the
22 White Wing Gen-tie Project, a 3.5-mile 500 to 115 kV gen-tie line and associated
23 substation interconnections. This Project will interconnect the White Wing Solar
24 Project, a proposed solar generating facility using photovoltaic ("PV") technology, to
25 the nearby existing Hoodoo Wash Substation.
26

1
2 This Project is located in eastern Yuma County in an area that includes significant
3 existing energy development including the Agua Caliente Solar Project and the
4 Hoodoo Wash Substation, and the high voltage transmission lines associated with it in
5 the area.

6
7 By interconnecting the White Wing Solar Project, the Gen-tie Project will help
8 provide marketable renewable energy to utility customers and will help meet the
9 state's policy objectives for renewable energy.

10
11 **Q. Please summarize your testimony regarding the environmental compatibility of**
12 **the Project.**

13 **A.** The Project will occupy a small footprint, is compatible with the local environment,
14 and meets the criteria for environmental compatibility that must be considered in
15 issuing a CEC. It is compatible with existing land uses and plans for the Project
16 vicinity. It will have limited impacts on fish, wildlife, and plants, including sensitive
17 species and habitats. It will not have noticeable noise impacts or interfere with
18 communication signals. It will not negatively affect recreational, scenic, historical, or
19 archaeological resources. It will be compliant with all applicable air and water
20 pollution standards and all other relevant ordinances, plans, and regulations.

21
22 The Project has conducted a public process that has resulted in the local community
23 being well informed about the Project and in support of the Project. This process is
24 described in Exhibit J to the CEC Application.

1
2 III. DETAILED TESTIMONY REGARDING OVERVIEW OF THE PROJECT

3
4 Q. **Please provide a summary of the White Wing Gen-tie Project.**

5 A. The White Wing Gen-tie Project will consist of a new substation to transform power
6 from 34.5kV to either 500kV, 230kV or 115kV (the “Solar Site Substation”) and an
7 approximately 3.5-mile 500kV, 230kV or 115kV gen-tie line (the “Gen-tie Line”)
8 originating at the Solar Site Substation and interconnecting with the existing Hoodoo
9 Wash Substation. If the Solar Site Substation and the Gen-tie Line are constructed at
10 voltage below 500kV, an additional substation providing transformation stepping up
11 to 500kV (the “Step-up Substation”) will be constructed on private lands immediately
12 west of the existing Hoodoo Wash Substation.

13
14 The Project endpoints will be on private lands. Nearly all of the Gen-tie Line will be
15 on federal lands managed by the Bureau of Land Management (“BLM”) in a right-of-
16 way (“ROW”) adjacent to the existing Agua Caliente Solar Project. These BLM-
17 administered lands have been designated for solar and utility corridor uses. The
18 Project will include transmission structures to accommodate approximately 25 spans.

19
20 The Project is located in Yuma County about ten (10) miles north and three (3) miles
21 east of Dateland, Arizona. It is north of Palomas / Hyder Road in Sections 16, 17, 20,
22 28, 29, 33, and 34, T5S, R12W, G&SRBM.

1
2 IV. DETAILED TESTIMONY REGARDING ENVIRONMENTAL COMPATIBILITY

3
4 Q. **Please describe each of the criteria that must be considered per A.R.S. § 40-**
5 **360.06, and how they apply to this Project, the studies that were performed to**
6 **ascertain compliance with such criteria, and how the criteria and study results**
7 **were addressed within the CEC application for this Project.**

8
9 A. Below (in italics) are the factors to be considered in issuing a certificate of
10 environmental compatibility identified in A.R.S. § 40-360.06, followed by the relevant
11 facts about this Project.

12
13 The Applicant conducted several environmental studies to evaluate the Project's
14 potential effects on these factors. These included land use studies, the evaluation of
15 plans proposed by other entities in the area, biological studies, cultural resource
16 studies, visual assessments, noise studies, and a recreation assessment. The results of
17 each of these studies are included in the CEC Application and are summarized in the
18 response to each factor below.

19
20 *A. The committee may approve or deny an application and may impose reasonable*
21 *conditions upon the issuance of a certificate of environmental compatibility and in so*
22 *doing shall consider the following factors as a basis for its action with respect to the*
23 *suitability of either plant or transmission line siting plans:*
24

1 1. Existing plans of the state, local government and private entities for other
2 developments at or in the vicinity of the proposed sites.

3 The White Wing Gen-tie Project will impact relatively few acres of land. Land
4 ownership affected by the Project is 91 percent federal and 9 percent private. The
5 jurisdiction regulating land use for the federal lands crossed by the Gen-tie Line is the
6 BLM. The jurisdiction regulating land use for the private lands affected by the
7 endpoints / substations is Yuma County.

8
9 The existing land use in the area is dominated by industrial, agricultural, and open
10 land uses. The BLM-managed lands are subject to the management direction in
11 BLM's 2010 *Yuma Field Office Record of Decision and Approved Resource*
12 *Management Plan* (Yuma RMP). The BLM-administered land crossed by the Gen-tie
13 is currently managed by the BLM for multiple uses.

14
15
16 In 2013, the northern portion of the BLM lands crossed by the Project was established
17 as the Agua Caliente Solar Energy Zone ("SEZ") through the Environmental Impact
18 Statement ("EIS") and Record of Decision ("ROD") for the Arizona Restoration
19 Design Energy Project ("RDEP"). The BLM prioritizes and facilitates utility-scale
20 production of solar energy and associated transmission infrastructure development
21 within the SEZ.

22
23 The southern portions of the BLM-administered lands crossed by the Gen-tie Line are
24 outside the SEZ, but within a utility corridor designated in the Yuma RMP.
25 Designated utility corridors are the preferred locations for major linear utility ROWs.
26

1 The Yuma County Comprehensive Plan 2020 was adopted in 2012 and updated in
2 2015. Yuma County annually updates the plan, as necessary, through the major plan
3 amendment process. The private lands where the Solar Site Substation will be located
4 (the northern terminus of the Project) are currently in agriculture. The private lands
5 where the southern terminus of the Project will be located are occupied by
6 undeveloped areas of the Agua Caliente Solar Project and the Hoodoo Wash
7 Substation.

8
9 The private lands where the project endpoints are located are subject to Special Use
10 Permits (“SUPs”) issued by Yuma County for solar projects and associated utility
11 infrastructure. The SUP for the White Wing Solar Project, which included the lands
12 for the Solar Site Substation, was approved by Yuma County in March 2016. A
13 separate SUP for the Agua Caliente Solar Project, which included the lands where the
14 Step-up Substation and Hoodoo Wash Substation are located, was issued by Yuma
15 County in 2009.

16
17 In summary, the White Wing Gen-tie Project will be consistent with both the BLM
18 and Yuma County land use designations for the Project.

19
20 *2. Fish, wildlife and plant life and associated forms of life upon which they are*
21 *dependent.*

22
23 This is addressed in Exhibit D of the CEC Application. The Gen-tie Line is located on
24 disturbed desert habitats on BLM-managed land immediately adjacent to the existing
25 Agua Caliente Solar Project. These sparse habitats will be impacted primarily at
26 structure locations as well as the roads used to access them. The project endpoints

1 will be located on a small amount of land already disturbed by agriculture and solar
2 development. Thus, the Project would result in negligible impacts to biological
3 resources.

4 *3. Noise emission levels and interference with communication signals.*

5
6 This is addressed in Exhibit I of the CEC Application. The impact from construction
7 and operation of the Gen-tie Project on the sound levels in the area would be minimal,
8 and the nearest noise receptor (residence) is approximately 1.5 miles away.

9
10 *4. The proposed availability of the sites to the public for recreational purposes,*
11 *consistent with safety considerations and regulations.*

12
13 Exhibit F of the CEC Application addresses Recreation. Federal lands adjacent to the
14 Gen-tie Project will be available for dispersed public recreation purposes until solar
15 development occurs on these lands as currently planned. The nearby private lands
16 where the Project endpoints are located are unavailable for recreation. There are no
17 existing or planned designated recreational facilities or areas in the immediate vicinity
18 of the Project, and the Gen-tie Line would not interfere with dispersed recreation on
19 nearby BLM-managed lands. Therefore, no recreational impacts are anticipated to
20 result from the White Wing Gen-tie Project.

21
22
23 *5. Existing scenic areas, historic sites and structures or archaeological sites at or in*
24 *the vicinity of the proposed sites.*

25
26 This is discussed in Exhibit E of the CEC Application. The Project facilities will be

1 very similar to the existing facilities at and around the Hoodoo Wash Substation and
2 Agua Caliente Solar Project, and will visually blend in with these existing structures.
3 This is depicted in the visual simulations for the Project from the points on
4 Palomas/Hyder Road, from which most people would be able to observe them. There
5 are no designated scenic areas in the vicinity of the Project.
6

7
8 A Class III cultural resources survey was conducted for the Project to determine if
9 cultural resources were located within the Project footprint. There are no known
10 historic sites or structures, or archaeological sites that would be affected by the
11 proposed White Wing Gen-tie Project.
12

13 *6. The total environment of the area.*

14 The Gen-tie Project is surrounded by existing and proposed solar facilities,
15 transmission lines, and an abandoned railroad. Development of the Project will not
16 affect and will be compatible with adjacent land uses. Air emissions associated with
17 the Project will be very small.
18

19
20 *7. The technical practicability of achieving a proposed objective and the previous
21 experience with equipment and methods available for achieving a proposed objective.*

22 This is addressed in Ms. Kathryn Arbeit's and Mr. Jim Filippi's testimony.
23
24
25
26

1 8. *The estimated cost of the facilities and sites as proposed by the applicant and the*
2 *estimated cost of the facilities and sites as recommended by the committee,*
3 *recognizing that any significant increase in costs represents a potential increase in the*
4 *cost of electric energy to the customers or the applicant.*

5
6 The presently estimated cost for the Gen-tie Project facilities is \$20 million to \$27
7 million, depending on the ultimate voltage and substation configuration.

8
9
10 9. *Any additional factors which require consideration under applicable federal and*
11 *state laws pertaining to any such sites.*

12
13 The Project will acquire all applicable permits and approvals and comply with all
14 associated laws, regulations and ordinances.

15
16
17 B. *The committee shall give special consideration to the protection of areas unique*
18 *because of biological wealth or because they are habitats for rare and endangered*
19 *species.*

20
21 This is discussed in Exhibit C of the CEC Application. There would be minimal
22 potential impacts to rare and endangered species by construction and operations due to
23 the small area affected by the Project (the area being made up primarily of disturbed
24 and native habitat of limited suitability to sensitive species), and also because the
25 proposed ROW is immediately adjacent to existing solar development. Pre-
26

1 construction surveys and mitigation will be implemented as needed if any individuals
2 of sensitive species are found within the Gen-tie Project disturbance area.

3
4 *C. Notwithstanding any other provision of this article, the committee shall require in*
5 *all certificates for facilities that the applicant comply with all applicable nuclear*
6 *radiation standards and air and water pollution control standards and regulations,*
7 *but shall not require compliance with performance standards other than those*
8 *established by the agency having primary jurisdiction over a particular pollution*
9 *source.*

10
11 No specific air or water pollution control permits will be required for the White Wing
12 Gen-tie Project. However, the Project will comply with the applicable dust control
13 and stormwater control requirements administered by Yuma County and the State of
14 Arizona.

15
16
17
18 *D. Any certificate granted by the committee shall be conditioned on compliance by the*
19 *applicant with all applicable ordinances, master plans and regulations of the state, a*
20 *county or an incorporated city or town, except that the committee may grant a*
21 *certificate notwithstanding any such ordinance, master plan or regulation, exclusive*
22 *of franchises, if the committee finds as a fact that compliance with such ordinance,*
23 *master plan or regulation is unreasonably restrictive and compliance therewith is not*
24 *feasible in view of technology available. . . .*

1 Exhibit H of the CEC Application discusses existing plans. The applicable plans for
2 Yuma County (the local jurisdictional entity) and the BLM (the federal jurisdictional
3 entity) are discussed in Exhibit A of the CEC Application and summarized in A.1
4 above. There are several existing electrical transmission facilities in the immediate
5 area as well as existing and planned solar facilities. The Project will comply with all
6 applicable ordinances, master plans, and regulations and will not require the
7 Committee to grant any special exceptions under this statutory provision.
8

9 **Q. Please describe the details of the public process that was conducted for this Project.**

10 A. The Applicant conducted a public outreach project to solicit comments associated with
11 the Gen-tie Project. This included the following:

- 12 • Open House: An Open House was conducted June 7, 2016 at the Dateland
13 Elementary School to allow the public to have informal one-on-one conversations
14 with Project representatives to express concerns, provide input, and receive
15 answers to their questions. Invitations to the Open House were published in the
16 Yuma Sun newspaper on May 29 and June 5, 2016, and were mailed to property
17 owners within 10 miles of the Gen-tie Project, as well as to jurisdictional entities.
- 18 • Project 1-800 number: The Gen-tie Project established and is maintaining a 1-800
19 number that is used to respond to questions and obtain comments from the public.
- 20 • Comment Forms: Comment forms were utilized at the Open House public
21 meeting to take written comments.
- 22 • Public Comment Tracking Database: The Applicant has created a database for
23 documenting contacts with the public that will be maintained throughout
24 construction of the Project. Contact records identify the name, contact
25
26

1 information, topic(s) of discussion, and follow-up action needed and taken.

- 2 • Project Website: The Applicant has created a website to notify the public of all
3 hearing dates and technical information regarding the Project. The website is:
4 www.WhiteWingGen-tie.com

5
6
7 Twenty-four individuals signed in at the Open House where they spoke with Project
8 representatives and asked questions. These included fourteen individuals seeking
9 employment, two BLM staff, five school employees, and one local business owner.
10 Fourteen written comments were received at the Open House and all were supportive
11 of the Project – including nine requesting jobs and two interested in selling land.
12 Verbal comments received at the meeting were also associated with support of the
13 Project and job inquiries.
14

15
16 This public outreach effort was conducted in addition to the public outreach effort that
17 was implemented for the White Wing Solar Project. That program also included
18 extensive outreach efforts to distribute information and solicit input from the public
19 and interested stakeholders, with an Open House on October 13, 2015, where the
20 information presented also included an overview of the White Wing Gen-tie Project.
21 Response to this effort in late 2015 was supportive and similar to that at the Open
22 House held in June of 2016 specifically for the Gen-tie Project.
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Q. In your professional opinion, is the proposed White Wing Gen-tie Project, as described in the CEC Application for Case No. 172, environmentally compatible?

A. Yes, it most certainly is.

Q. Do you have anything further to add to your direct testimony?

A. No.