

ORIGINAL
OPEN MEETING ITEM



0000130980

BEFORE THE ARIZONA CORPORATION COMMISSION

RECEIVED

COMMISSIONERS

GARY PIERCE - Chairman
PAUL NEWMAN
SANDRA D. KENNEDY
BOB STUMP
BRENDA BURNS

2011 NOV -4 P 4: 23

AZ CORP COMMISSION
DOCKET CONTROL

IN THE MATTER OF THE APPLICATION OF ARIZONA SOLAR ONE, LLC IN CONFORMANCE WITH THE REQUIREMENTS OF ARIZONA REVISED STATUTES §§ 40-360.03 AND 40-360.06, *et seq.* FOR A CERTIFICATE OF ENVIRONMENTAL COMPATABILITY AUTHORIZING CONSTRUCTION OF THE SOLANA GENERATING STATION, LOCATED IN SECTION 9, TOWNSHIP 6 SOUTH, RANGE 7 WEST, MARICOPA COUNTY ARIZONA.

DOCKET NO. L- 00000GG-08-0407-00139

CASE NO. 139 Arizona Corporation Commission

DOCKETED

NOV 4 2011

DOCKETED BY

IN THE MATTER OF THE APPLICATION OF ARIZONA SOLAR ONE, LLC IN CONFORMANCE WITH THE REQUIREMENTS OF ARIZONA REVISED STATUTES §§ 40-360, *et seq.*, FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AUTHORIZING THE CONSTRUCTION OF THE SOLANA GENERATING STATION, WHICH ORIGINATES AT THE SOLANA GENERATING STATION, LOCATED IN MARICOPA COUNTY, AND TERMINATES AT THE PANDA 230 kV SUBSTATION, LOCATED IN GILA BEND, ARIZONA.

DOCKET NO. L- 00000GG-08-040-00140

CASE NO. 140

**STAFF NOTICE OF FILING
PROPOSED ORDER AMENDING
DECISION NO. 70639**

The Arizona Corporation Commission Staff hereby files the attached Proposed Order, Amending Decision No. 70639.

The enclosed is only a Staff recommendation to the Commission; it has not yet become an order of the Commission. The Commission can decide to accept, amend or reject Staff's proposed order.

Consideration of this matter has tentatively been scheduled for the Commission's Staff Open Meeting on November 8, 2011.

RESPECTFULLY SUBMITTED this 4th day of November, 2011.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

By 

Charles Hains
Attorney, Legal Division
Arizona Corporation Commission
1200 West Washington Street
Phoenix, AZ 85007
(602) 542-3402

FINDINGS OF FACT

1
2 1. Decision No. 70639, entered on December 11, 2008, granted Solar One's
3 application for a CEC to construct a 230 kV gen-tie transmission line running from the Solana
4 Generating Station site to Arizona Public Service Company's ("APS") Panda Substation. The
5 CEC also authorized an alternative route for the Gen-Tie line that would interconnect with the
6 APS Gila Bend Substation.

7 2. Decision No. 70639 authorized the installation of double circuit towers but only
8 permitted the use of a single circuit. In the course of engineering the Gen-Tie line, Solar One
9 identified additional efficiencies that could be obtained through the use of a second set of
10 conductors, which will still be operated in a single circuit in conjunction with the existing set of
11 conductors. The efficiencies will include reduced line loss in the transmission of electricity
12 generated at the Solana Generating Station. The second set of conductors will also improve
13 reliability insofar as the loss of a single set of conductors will no longer prevent the continued
14 operation of the transmission line.

15 3. Additionally, during the engineering of the Gen-Tie line, Solar One identified a
16 location where the Gen-Tie line would encounter the existing APS 230 kV Panda - Gila Bend
17 transmission line. Crossing the Gen-Tie line beneath APS's transmission line would require the
18 use of two H-Frame towers of approximately 63 to 66 feet in height rather than monopole
19 towers. Likewise, the presence of wastewater treatment ponds adjacent to the line crossing
20 location will necessitate the use of another two H-Frame towers of approximately 116 feet in
21 height in order to span the ponds.

22 4. Solar One did not include samples of H-Frame towers in either the application for
23 CEC or among its exhibits presented during the hearing before the Line Siting Committee.
24 Construction of the Gen-Tie line will require approximately 126 additional transmission towers.
25 The Company will utilize monopole structures for these remaining 126 transmission towers.

26 5. On September 29, 2011, the Company filed an Application to Amend Arizona
27 Corporation Commission Decision No. 70639. In the Application, Solar One requested
28 modification of Decision No. 70639 to permit use of a second set of conductors and to use four

1 H-Frame towers. A description of the H-Frame towers was included in the Application and is
2 attached as Exhibit A.

3 6. On October 17, 2011, the Company filed in the docket letters of support for the
4 requested modifications. The letters were provided by the other two parties to the docket,
5 Paloma Irrigation & Drainage District and the Sierra Club, Grand Canyon Chapter. An
6 additional letter was provided by the Director of Planning and Economic Development for the
7 Town of Gila Bend.

8 7. It is reasonable and appropriate to amend the CEC to permit Solar One to operate
9 the Gen-Tie line using a second set of conductors. Additionally, it is reasonable and appropriate
10 to amend the CEC to permit the Company to use four H-Frame towers to cross under the existing
11 APS 230 kV Panda - Gila Bend transmission line and to span the adjacent wastewater treatment
12 ponds.

13 CONCLUSIONS OF LAW

14 1. The Commission has jurisdiction over Arizona Solar One, LLC and the subject
15 matter contained herein pursuant to A.R.S. §§ 40-252 and -360, *et seq.*

16 2. Notice of the proceeding has been given in the manner prescribed by law.

17 3. The Commission, having reviewed and considered Arizona Solar One, LLC's
18 application to amend Decision No. 70639, concludes that it is in the public interest to amend the
19 Certificate of Environmental Compatibility as set forth in Finding of Fact No. 7 and to modify
20 Decision No. 70639, accordingly.

21 ORDER

22 IT IS THEREFORE ORDERED that upon due consideration of this matter and notice
23 and opportunity to be heard, the Commission hereby modifies Decision No. 70639 to authorize
24 the use of four H-Frame transmission structures, described in the attached Exhibit A, for the
25 purpose of crossing beneath the Arizona Public Service Company's existing 230 kV Panda - Gila
26 Bend transmission line and to span the adjacent wastewater treatment ponds.

27 ...

28 ...

1 IT IS FURTHER ORDERED that the CEC issued by the Line Siting Committee and
2 granted by the Commission on December 11, 2008 by Decision No. 70639 is modified at page 3,
3 lines 1-3 to read as follows:

4 The Project as approved consists of approximately 20 miles of 230 kV
5 transmission line and required substation and switchyard facilities and
6 modifications. The single-circuit may be constructed on either single-circuit or
double-circuit towers and may utilize two sets of conductors operated as a single-
circuit on double-circuit towers.

7 IT IS FURTHER ORDERED that this Decision shall become effective immediately.

8 ...
9 ...
10 ...
11 ...
12 ...
13 ...
14 ...
15 ...
16 ...
17 ...
18 ...
19 ...
20 ...
21 ...
22 ...
23 ...
24 ...
25 ...
26 ...
27 ...
28 ...

1 **BY ORDER OF THE ARIZONA CORPORATION COMMISSION**

2
3
4 CHAIRMAN

COMMISSIONER

5
6
7 COMMISSIONER

COMMISSIONER

COMMISSIONER

8
9 IN WITNESS WHEREOF, I, ERNEST G. JOHNSON,
10 Executive Director of the Arizona Corporation
11 Commission, have hereunto, set my hand and caused the
12 official seal of this Commission to be affixed at the Capitol,
13 in the City of Phoenix, this _____ day of
14 _____, 2011.

13
14 _____
15 ERNEST G. JOHNSON
16 EXECUTIVE DIRECTOR

17 DISSENT: _____

18
19 DISSENT: _____

1 Original and Thirteen (13)
2 copies of the foregoing filed this
3 7th day of November, 2011 with:

4 Docket Control
5 Arizona Corporation Commission
6 1200 West Washington Street
7 Phoenix, Arizona 85007

8 Copies of the foregoing
9 mailed this 7th day of
10 November, 2011 to:

11 John Foreman, Chairman
12 Arizona Power Plant and
13 Transmission Line Sitting Committee
14 Office of the Attorney General
15 1275 West Washington Street
16 Phoenix, Arizona 85007

17 Thomas H. Campbell
18 Albert H. Acken
19 Lewis and Roca, LLP
20 40 North Central Ave., Suite 1900
21 Phoenix, Arizona 85004-4429

22 Timothy M. Hogan
23 202 East McDowell Road, Suite 153
24 Phoenix, Arizona 85004

25 Jay Moyes
26 Jeffrey Zimmerman
27 1850 North Central Avenue, Suite 1100
28 Phoenix, Arizona 85004

20
21
22
23
24
25
26
27
28