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BEFORE THE ARIZONA CORPORATION COMMISSION
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COMMISSIONERS
KRISIN K. MAYES, Chairman
GARY PIERCE
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AZ CORP COMMISSION
DOCKET CONTROL

DOCKET NO. E-00000D-09-0020

IN THE MATTER OF THE BIENNIAL
ELECTRIC TRANSMISSION ASSESSMENT
FOR 2010 THROUGH 2019.

NOTICE OF FILING

Agua Caliente Solar, LLC, hereby provides notice that it is filing herewith the attached Ten Year Plan for the Agua Caliente Solar Project.

RESPECTFULLY SUBMITTED this 30th day of January, 2009.

MOYES SELLERS & SIMS

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Arizona Corporation Commission
DOCKETED

JAN 30 2009

DOCKETED BY

1 Original and thirteen (13) copies
of the foregoing filed this 30th day of
2 January 2009 with:

3 Docket Control
Arizona Corporation Commission
4 1200 West Washington Street
Phoenix, Arizona 85007

5 Copy of the foregoing mailed
6 this 30th day of January 2009 to:

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Agua Caliente Solar, LLC
2009-2018
TEN-YEAR PLAN
(in-service 2012)

| | |
|--------------------------------|---|
| <u>Line Description</u> | Agua Caliente Solar Project Gen-Tie and Switchyard, and interconnection loop in-out of existing Hassayampa – North Gila 500Kv transmission line |
| <u>Size</u> | |
| • Voltage | 500 kV AC |
| • Capacity | TBD |
| • Point of Origin | Proposed Agua Caliente Solar Project generating station switchyard in the general vicinity of Section 21, T. 5 S., R. 12 W., GS&RB&M., Yuma County, AZ. |
| • Termination Point | A new APS interconnection switchyard to be located in the general vicinity of Section 34, T. 5 S., R. 12 W., GS&RB&M., Yuma County, AZ. north of the existing Hassayampa-North Gila 500 kV transmission line, with a loop in-out of that existing 500kV line. |
| • Length | Gen-Tie line: 2 miles; Loop in-out structures/line from existing Hassayampa-North Gila line and the new APS switchyard: TBD (several hundred feet, est.) |
| <u>General Route</u> | TBD. Subject to ACC approval, the Gen-Tie line will generally run from the Agua Caliente Solar Project generating station switchyard in approximately Section 21, proceeding south less than 2 miles to the APS switchyard and the nearly-adjacent existing EHV transmission line in Section 34, all in T. 5 S., R. 12 W. |
| <u>Purpose</u> | The Gen-Tie and interconnection loop in-out lines will be needed to interconnect the proposed Agua Caliente Solar Project generating station with the regional transmission grid. |
| <u>Date</u> | |
| • Estimated Construction Start | Q1 2011 |
| • Estimated In-Service Date | Q3 2012 |
| • Is Certificate Necessary? | It is contemplated that certification will be requested in conjunction with certification of the Agua Caliente Solar Project generating plant. |

TEN YEAR PLAN
for the
INTERCONNECTION FACILITIES
proposed to be constructed in conjunction with the
AGUA CALIENTE SOLAR PROJECT

Submitted by Agua Caliente Solar, LLC
January 30, 2009

Pursuant to A.R.S. §40-360.02(A), Agua Caliente Solar, LLC ("Applicant") hereby submits a ten year plan for the interconnecting switchyard and transmission facilities proposed to be constructed during the ensuing ten year period in conjunction with the proposed Agua Caliente Solar Project (the "Project").

Introduction:

Applicant is a wholly-owned affiliate of NextLight Renewable Power, LLC. Applicant proposes to construct a nominal 280 MW concentrating solar powered electric generating facility, with an associated on-site generation intertie ("Gen-Tie") transmission line, a Project switchyard in the power block area as well as an on-site interconnecting 500 kV switchyard and short loop in-out interconnection line to interconnect to the existing Hassayampa - North Gila 500kV transmission line. The Project is located in the eastern portion of Yuma County, approximately 10 miles north of I-8 and Dateland, Arizona.

Pursuant to A.R.S. §40-360.02(B) Applicant filed with the Arizona Corporation Commission ("Commission") a "90-day Plan" on November 12, 2008, prerequisite to filing an application for a Certificate of Environmental Compatibility ("CEC") for the Project. That 90-day Plan covers the solar generating facility and associated Gen-Tie transmission line that will be constructed and owned by Applicant or its successors or assigns. In addition, it addresses a new 500kV switchyard and a short loop in-out of the existing Hassayampa - North Gila 500kV transmission line, which interconnecting facilities will both be constructed on the Project site and owned by Arizona Public Service Company ("APS") (and potentially Imperial Irrigation District and San Diego Gas and Electric as co-owners in the existing transmission line, collectively the "Transmission Owners"). Because the final design of the APS switchyard and loop in-out interconnection are incomplete at this juncture, it is uncertain whether such facilities will necessarily constitute a "transmission line" for purposes of the relevant statutes governing CEC requirements and/or ten year plan requirements. Therefore, in order to fully inform the Commission and to ensure full compliance with the letter and spirit of the governing statute, this document constitutes the ten year plan under A.R.S. § 40-360.02(A) to be filed by "every person contemplating construction of any transmission line within the state during any ten year period . . . on or before January 31 of each year."

Specific Ten Year Plan Information:

The specific items of information required by A.R.S. 40-360.02(C) for the facilities that will interconnect the Agua Caliente Solar Project to the regional high voltage electric transmission grid, to the extent known, are set forth below:

1. "The size and proposed route of any transmission lines":

The loop in-out interconnection will be a 500kV line built on a single set of structures that will interconnect a new 500kV switchyard to be constructed and owned by Arizona Public Service Company or the Transmission Owners (the "APS Switchyard"). The APS Switchyard will be located in the southwestern-most corner of the Agua Caliente Solar Project site (commonly known as the Whitewing Ranch) approximately ten miles north of Dateland, AZ. The APS Switchyard will be located approximately in Section 34, Township 5 South, Range 12 West, G&SRB&M. The route of the interconnection line will be a very direct and short loop in and out of the existing Hassayampa -North Gila 500 kV transmission line which runs nearly adjacent to the southern boundary of the site of the proposed APS Switchyard.

As indicated in the "90-day Plan," the Gen-Tie Line that will connect the solar plant to the APS Switchyard will run wholly within the Project site, a distance of approximately 2 miles, running from the power block area along the western edge of the Project site through Sections 28 and 34 to the APS Switchyard.

2. "The purpose to be served by each proposed transmission line":

The Gen-Tie line, APS Switchyard and loop in-out will interconnect the proposed 280MW Agua Caliente Solar Project to the existing Hassayampa - North Gila 500 kV transmission line and the regional high voltage transmission grid.

3. "The estimated date by which each transmission line will be in operation":

The Gen-Tie line, APS Switchyard and loop in-out are anticipated to be in operation in mid-2012 to support startup and testing of the Agua Caliente Solar Project.

This ten year plan is respectfully submitted this 30th day of January, 2009.

Agua Caliente Solar, LLC

By:



Authorized Officer / Agent