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Our File Number: 151170-00001

January 13, 2015

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ARIZONA CORPORATION COMMISSION
DOCKET CONTROL

ORIGINAL

Arizona Corporation Commission
DOCKETED

JAN 13 2015

Arizona Corporation Commission
Utilities Division - Docket Control
1200 W. Washington St
Phoenix, AZ 85004

DOCKETED BY

RE: Crossroads Solar Energy, LLC
Docket No. ~~E~~00000D-15-0001
Ninth Biennial Electric Transmission Assessment for 2016 Through 2025

Docket Control:

Enclosed for filing in the above-referenced docket are the original and thirteen (13) copies of the 2015 Ten Year Plan for Crossroads Solar Energy, LLC.

Very truly yours,

Thomas H. Campbell
LEWIS ROCA ROTHGERBER LLP

THC/jw
Enclosures

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PLAN
for the
CROSSROADS SOLAR ENERGY PROJECT

Submitted by Crossroads Solar Energy, LLC
(a project entity owned by SolarReserve, LLC)
January 12, 2015

Pursuant to A.R.S. §40-360.02, Crossroads Solar Energy, LLC hereby submits its plan ("Plan") for the proposed Crossroads Solar Energy Project transmission line (the "Project").

The Project includes a 150 MW concentrating solar power plant (the "Power Plant") and associated 230 kV transmission interconnection tie line (the "Gen-Tie"). The specific items required by A.R.S. §40-360.02(C) are set forth below:

1. The size and proposed route of any transmission lines or location of any plant proposed to be constructed:

The Power Plant will be located in Maricopa County, Arizona, on four sections of private farm land (approximately 2,560 acres), approximately 1.25 miles north of the intersection of Interstate 8 and Paloma Road, and approximately two miles west of the Gila Bend town limits. The Project will include an approximately 12-mile-long 230kV transmission line Gen-Tie for interconnection to the existing APS-owned Panda - Gila River Substation. The precise route of the Gen-Tie has not yet been determined although it is proposed to generally follow the route previously certificated by the ACC for Abengoa's Solana power project gen-tie line along the Watermelon Road alignment. Attached is a map showing the plant and the proposed transmission line route.

2. The purpose to be served:

The proposed Gen-Tie would enable delivery of the Power Plant's electricity by interconnecting the Power Plant to the APS transmission system. It would also potentially back-feed power to the Project site for construction and operations. The Project can provide solar energy to an Arizona-based load-serving entity, thereby helping it meet its renewable energy standard requirements and diversify its resource portfolio. SolarReserve will also continue to evaluate alternatives for the Project to export power out of state.

3. The estimated date by which the transmission line and plant will be in operation:

The Project is estimated to be in commercial operation by the end of 2018.

4. **The average and maximum power output measured in megawatts of each plant to be installed:**

150 MW net

5. **The expected capacity factor for each proposed plant:**

Approximately 40%

6. **The type of fuel to be used for each proposed plant:**

Not applicable, solar energy only

7. **The plans for any new facilities shall include a power flow and stability analysis report showing the effect of the current Arizona electric transmission system. Transmission owners shall provide the technical reports, analysis or basis for projects that are included for serving customer load growth in their service territories.**

A January 2011 Gila Bend Cluster Interconnection System Impact Study ("SIS") was prepared by APS. Because there were several simultaneous interconnection requests in the Gila Bend/Gila River area, APS grouped several studies into the regional SIS, which included a power flow analysis and short circuit analysis. A copy of the SIS was provided to the ACC Utilities Division Staff in SolarReserve's 2011 Ten-Year Plan filing. The SIS cost estimates were redacted and are considered confidential.

INTERCONNECTION PLAN

