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January 31, 2017

Arizona Corporation Commission
Utilities Division – Docket Control
1200 W. Washington Street
Phoenix, AZ 85004

Re: **Pinal Central Energy Center, LLC**
Ten Year Plan for 2017
Docket No. E-00000D-17-0001

Docket Control:

Enclosed for filing in the above-referenced docket are the original and thirteen (13) copies of the 2017 Ten Year Plan for the Pinal Central Energy Center Gen-Tie Project.

Sincerely,

Albert H. Acken

Enclosures

TEN YEAR PLAN
for the
PINAL CENTRAL ENERGY CENTER
GEN-TIE PROJECT

January 31, 2017

Pursuant to A.R.S. § 40-360.02, Pinal Central Energy Center, LLC ("PCEC") hereby submits its plan for the proposed Pinal Central Energy Center Gen-Tie Project (the "Gen-Tie Project"), a 230 kV transmission interconnection gen-tie line. The specific items required by A.R.S. § 40-360.02(C) are set forth below:

1. The size and proposed route of the transmission line to be constructed:

The Gen-Tie Project will be located in Pinal County, Arizona. The solar and storage project will be located just east of the existing Pinal Central Substation, which is located approximately twelve miles east of the city of Casa Grande, near the intersection of Highway 287 and Eleven Mile Corner Road. The Project will include two components. It will involve a PCEC-owned sub-station that will collect energy from the solar modules and step-up the voltage to 230kV and a 230kV circuit that will transmit energy from the PCEC-owned substation to the assigned bay on the west side of the Pinal Central Substation. The PCEC-owned substation is planned to be located immediately adjacent to the east of the Pinal Central Substation boundary with anticipated dimensions of 200'x 200' or less. The project gen-tie circuit is anticipated to have total length of approximately 0.5 miles or less.

Attachment A is a map showing the proposed transmission line corridor.

2. The purpose to be served:

The Project will interconnect the Pinal Central Energy Center to the existing Pinal Central Substation. The Pinal Central Energy Center is planned as a 20 MWac solar photovoltaic plant with a 10 MW/40 hour advanced energy storage system. The Pinal Central Energy Center is anticipated to use a solar tracking configuration whereby the panels will track the sun from east to west each day. Depending on the desires of the energy purchaser, the energy from the solar panels either will be delivered immediately to the point of interconnection on the high voltage electrical grid and used to serve existing load, or will be temporarily stored in the on-site storage system for discharge at a later time in accordance with the buyer's economic and reliability requirements.

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

The Project is expected to achieve commercial operation by December 31, 2017.

4. **The plans for any new facilities shall include a power flow and stability analysis report showing the effect on the current Arizona electric transmission system.**

On April 3, 2014, PCEC submitted to the Salt River Project (SRP), the managing agent for the Pinal Central Substation, an application for interconnection from SRP to the Pinal Central Energy Center. SRP prepared a generator interconnection study, which was designed to identify the transmission system impacts caused solely by the addition of the Pinal Central Energy Center and to identify whether system reinforcements are needed to mitigate the impacts of the Gen-Tie Project. Using approved power flow models updated to reflect anticipated 2017 demand resources, and transmission topology, SRP evaluated power flow, post-transient and transient stability and short circuits. The study concluded that the Gen-Tie Project will have no significant impact on the existing Arizona transmission system.

ATTACHMENT A


Pinal Central Substation
Project Substation
Gen-tie Transmission Corridor
Transmission Corridor Centerline (1,471 ft)