

APPLICATION

In accordance with Arizona Revised Statutes (A.R.S.) Sections 40-360.03 and 40-360.06 and Arizona Administrative Code R14-3-219, the Applicant provides the following information:

1. Name and address of the Applicant, or in the case of a joint project, the Applicants.

Name: Salt River Project Agricultural Improvement and Power District (SRP)
Address: 1500 North Mill Avenue
Tempe, AZ 85281-1298

2. Name, address and telephone number of a representative of the Applicant who has access to technical knowledge and background information concerning the application in question, and who will be available to answer questions or furnish additional information.

Name: Kevin Woolfolk
Senior Engineer
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3. State each date on which the Applicant has filed a Ten-Year Plan in compliance with A.R.S. Section 40-360.02 and designate each such filing in which the facilities for which this Application is made were described. If they have not been previously described in a ten-year plan, state the reasons therefore.

In accordance with A.R.S. Section 40-360.02, SRP has filed Ten-Year Plans annually with the Arizona Corporation Commission (ACC). Project Huckleberry 230 kilovolt (kV) Transmission Line Project (Project Huckleberry or Project) was included in the most recent Ten-Year Plan SRP submitted to the ACC on January 28, 2022.

4. Description of the proposed facilities, including:

4.1 Description of electric generating plant.

Not Applicable.

4.2 Description of the proposed transmission lines.

4.2.1 General Description.

4.2.1.1 Nominal voltage for which the lines are designed.

The lines are designed for a nominal voltage of 230 kV with the potential to underbuild 69 kV on the same structures.

4.2.1.2 Description of proposed structures.

Generally, the Project proposes to use single shaft tubular steel structures (poles) configured to support a double-circuit 230 kV transmission line.

4.2.1.3 Description of proposed switchyards and substations.

The proposed Prickly Pear 230 kV Substation will be located on a 14.5-acre parcel of private land on the 389-acre Meta Mesa Data Center (Data Center) at the southeast corner of Elliot Road and Ellsworth Road.

The facility will include a control house, bus work, circuit breakers, conduits, relay and communication equipment, 230/69 kV transformers, and other related components.

4.2.1.4 Purpose for constructing proposed transmission lines.

On August 12, 2021, Meta announced a development plan for its Data Center in Mesa, Arizona. This Project is designed to provide reliable energy to the Data Center.

4.2.2 General Location.

4.2.2.1 Description of the geographic points between which the transmission line will run.

The proposed Project Huckleberry transmission line is approximately 0.5 mile in length from the proposed Prickly Pear 230 kV Substation to an interconnection at the certificated Southeast Power Link 230 kV transmission line.

4.2.2.2 *Straight-line distance between such geographic points.*

The existing straight-line distance from the proposed Prickly Pear 230 kV Substation to an interconnection at the certificated Southeast Power Link 230 kV transmission line is 0.47 mile.

4.2.2.3 *Length of the transmission line for each alternative route.*

SRP analyzed potential alternative transmission line routes. However, SRP confirmed that those routes were longer, were closer to residential development, and had greater resource impacts.

The proposed route follows along an existing flood control channel and a 69 kV transmission line under development. Therefore, there are no alternatives proposed as a part of this Application.

4.2.3 *Detailed Dimensions.*

4.2.3.1 *Nominal width of Right-of-Way (ROW) required.*

100 feet for the proposed 230 kV transmission line within the requested 300-foot-wide corridor.

4.2.3.2 *Nominal length of span.*

The nominal length of span may vary from 200 to 700 feet.

4.2.3.3 *Maximum height of supporting structures.*

The nominal height of the proposed structures will be 100 to 185 feet. The maximum height of the proposed structures will not exceed 199 feet.

4.2.3.4 *Minimum height of conductor above ground.*

The minimum height of the 230 kV conductor above existing grade will be 25.5 feet. The average lowest height of 230 kV conductor will be approximately 50 feet.

4.2.4 To the extent available, estimate costs of proposed transmission line and route, stated separately. (If Application contains alternative routes, furnish an estimate for each route and a brief description of the reasons for any variations in such estimates.)

The costs related to the proposed transmission line and substation are currently estimated to be approximately \$25 million and will be paid by Meta. This is an estimate only and actual costs will vary.

4.2.5 Description of the proposed route and substation locations.

The proposed Prickly Pear 230 kV Substation will be located in Section 15, Township 1 South, Range 7 East on private land and will be within the Data Center boundary fence.

The proposed transmission line will connect the proposed Prickly Pear 230 kV Substation to the certificated Southeast Power Link 230 kV transmission line located in Section 16, Township 1 South, Range 7 East by following a 69 kV transmission line under development for 0.5 mile. The proposed 0.5-mile 230 kV transmission line will be on Arizona State Trust Land managed by Arizona State Land Department (ASLD or State Land).

4.2.6 Land Ownership.

The proposed transmission line will be within an SRP ROW on State Land and the proposed Prickly Pear 230 kV Substation will be located on private land. While the proposed transmission line will be within an SRP ROW, SRP is continuing to collaborate with ASLD on the exact ROW to accommodate development plans on State Trust Land. No Federal lands will be impacted by the Project.

5. Jurisdiction.

5.1 Areas of jurisdiction (as defined in A.R.S. Section 40-360) affected by this route.

The Project will be constructed on State Trust Land and private land within the City of Mesa, Maricopa County.

5.2 Designation for proposed sites or routes, if any, which are contrary to the zoning ordinances or master plans of affected areas of jurisdiction.

Not Applicable.

6. *Description of the environmental studies the Applicant has performed or intends to perform.*

KP Environmental, Inc. (KPE) has conducted or reviewed environmental studies, including field studies and routing analyses, to support this Application. Potential environmental effects of construction and implementation of the Project are included in the exhibits to this Application.

7. *Rationale for route selection/preference.*

The Project described in this Application was selected and supported by environmental studies, customer needs, and electrical system planning. Advantages of this Project include the following:

- No significant or detrimental effects to fish, wildlife, plant life and associated forms of life upon which they are dependent.
- No significant or detrimental effects associated with noise emission levels and interference with communication signals.
- Neither SRP nor jurisdictional agencies have any plans for future development of recreational facilities associated with the Project.
- Project implementation will be consistent with safety considerations and regulations.
- No significant or detrimental effects to existing scenic areas, historic sites and structures, or archaeological sites at or in the vicinity of the Project.
- No significant or detrimental effects to surface water or groundwater quality and availability.
- The Project is environmentally compatible with the total environment of the area.

Based on the information provided above, SRP hereby affirms, upon thorough expert scientific environmental evaluation and analysis, that the Project is environmentally compatible and respectfully requests the Arizona Power Plant and Transmission Line Siting Committee issue a Certificate of Environmental Compatibility (CEC), with a term of 10 years.

By:



Kevin Woolfolk

ORIGINAL and 25 copies of the foregoing hand delivered and filed with the Director of Utilities, Arizona Corporation Commission, this May 10, 2022.