

# APPLICATION

---

**1. Name and address of the applicant, or in the Line Siting Case of a joint project, the applicants.**

Salt River Project Agricultural Improvement and Power District  
("SRP")  
1521 N. Project Drive  
Tempe, AZ 85281-1298

**2. Name, address and telephone number of a representative of an 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.**

Applicant: Tom Novy  
Project Manager  
SRP  
Mail Station SEP007  
P.O. Box 52025  
Phoenix, AZ 85072-2025  
Telephone: (602) 236-4359  
Fax: (602) 236-0399  
Email: Tom.Novy@srpnet.com

**3. State each date on which applicant has filed a ten-year plan in compliance with A.R.S. § 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 filed a Ten-Year Plan with the Arizona Corporation Commission on January 31, 2012 that described the project (Superior-Silver King 115kV Re-Route).

**4. Description of the proposed facility, including:**

**4.a. With respect to an electric generating plant:**  
Not applicable.

**4.b. With respect to a proposed transmission line:**

**4.b.i. Nominal voltage for which the line is designed; description of the proposed structures and switchyards or substations associated therewith; and purpose for constructing said transmission line.**

**Nominal voltage for which the line is designed:**

The transmission line is currently designed at 115 kilovolts (kV) and the rerouted segment also would be designed for 115 kV.

**Description of proposed structures:**

The project would generally use single-shaft tubular steel structures.

**Description of proposed substations:**

Not applicable.

**Purpose for constructing the transmission line:**

In response to a customer request, SRP plans to relocate a segment of its Superior-Silver King 115kV transmission line on private property near the Town of Superior. This will require SRP to move approximately 1 mile of the existing power line approximately 0.25-mile to the northwest, closer to another transmission line corridor. The customer and property owner, Resolution Copper Mining, LLC (Resolution), has requested this transmission line relocation.

*4.b.ii. Description of geographical points between which the transmission line will run, the straight-line distance between such points and the length of the transmission line for each alternative route for which application is made.*

**Description of geographical points between which the transmission line will be located:**

The segment relocation is approximately 1 mile in length (see Figure 1). The transmission line segment relocation would begin at an angle or turning structure along the existing 115kV line in the northeast quarter of Section 34, Township 1 South, Range 12 East. The proposed relocation would end approximately 1 mile to the northeast, at another angle or turning structure in southwest quarter of Section 26, Township 1 South, Range 12 East. No alternative route segments are proposed.

**Straight-line distance between such points:**

The straight-line distance between the beginning and end of the relocated segment would be approximately 1 mile.

*4.b.iii. Nominal width of right-of-way required, nominal length of spans, maximum height of supporting structures and minimum height of conductor above ground.*

**Nominal width of right-of-way required:**

The nominal right-of-way width for a single-pole structure 115kV transmission line is approximately 60 feet. A maximum right-of-way width of up to 150 feet may be required to accommodate the relocated transmission line. Factors that could affect the individual right-of-way widths include span lengths, terrain, structure type and framing, circuit configuration and maintenance vehicle access requirements.

**Nominal length of spans:**

Nominal span lengths would range between 600 and 1,600 feet. Factors affecting span lengths would include (but would not be limited to) terrain and structure height (where restricted) and adjacent 230kV structures.

**Maximum height of supporting structures:**

The single-pole structures would average 85 feet in height, but could vary as a result of the topography in the relocation area. The maximum height of the supporting structures would be 199 feet above existing grade.

**Minimum height of conductor above ground:**

The minimum height of the 115kV conductor above the ground would be 20 feet-6 inches.

***4.b.iv. To the extent available, the estimated costs of the 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 estimated cost of the relocation is \$1,215,000.

***4.b.v. Description of proposed route and switchyard locations. (If application contains alternative routes, list routes in order of applicant's preference with a summary of reasons for such order of preference and any changes such alternative routes would require in the plans reflected in (i) through (iv) hereof).***

The transmission line segment relocation would begin at an angle or turning structure along the existing 115kV line in the northeast quarter of Section 34, Township 1 South, Range 12 East. From this location, the 115kV transmission line would turn north toward the existing 230kV and 500kV transmission corridors. In proximity to these high-voltage corridors, the 115kV line would turn northeast and parallel along the south side of the existing transmission corridors. The proposed relocation would end approximately 1 mile to the northeast, at another angle or turning structure in the southwest quarter of Section 26, Township 1 South, Range 12 East. Approximately nine new structures would be installed to support the line along the new route segment.

For the purposes of this CEC application, the requested corridor is defined as the centerline of the existing 230kV line (south of, and parallel to, the 500kV transmission line) to the centerline of the existing 115kV line, inclusive of only private property (see Figure 2). At its widest points, the corridor is 1,520 feet wide and 6,500 feet long. This corridor provides for sufficient flexibility to accommodate final design and engineering. The specific right-of-way within this corridor will be determined following certification and in coordination with the property owner during the design process.

***4.b.vi. For each alternative route for which application is made, list the ownership percentages of land traversed by the entire route (federal, state, Indian, private, etc.).***

The proposed segment relocation is located solely on private land.

***5. List the areas of jurisdiction [as defined in A.R.S. § 40-360(1)] affected by each alternative site or route and designate those proposed sites or routes, if any, which are contrary to the zoning ordinances or master plans of any of such areas of jurisdiction.***

The proposed segment relocation is located in unincorporated Pinal County; the relocation does not conflict with the zoning or master plans of Pinal County.

**6. *Describe any environmental studies applicant has performed or caused to be performed in connection with this application or intends to perform or cause to be performed in such connection, including the contemplated date of completion.***

An environmental study was completed for the project pursuant to ARS 40-360.06. The environmental study used publicly available data, input from agencies and landowners, as well as data gathered during field reviews. Potential environmental effects of construction and operation of the proposed project are described in the exhibits to this Application.

**7. *Rationale for Proposed Route***

The proposed 115kV line segment relocation has been requested by the private property owner, Resolution, to accommodate the placement of development rock storage from shaft sinking and underground development activities. The entire length of the relocated segment would remain on private property owned by Resolution and would allow for full and efficient use of the private property by the land owner. This proposed location would minimize visual impacts due to its proximity to current 500kV and 230kV transmission lines. In addition, environmental analyses (included in this application) demonstrate the following:

- The project would have no significant or detrimental effects to fish, wildlife, plant life, and associated forms of life upon which they are dependent.
- The project would have no significant or detrimental effects associated with noise emission levels and interference with communication signals.
- The project would have no significant or detrimental effects on land use, cultural resources, visual resources, and recreation.
- SRP, the private landowner, and jurisdictional agencies have not identified any plans for future development of recreational facilities within the area or associated with the project.
- Project implementation would be consistent with safety considerations and regulations.
- The project is environmentally compatible with the total environment of the area.



