



Merrill to Coolidge 69kV Transmission Line Project

Arizona Public Service (APS) proposes to construct, operate and maintain a 69 kilovolt (kV) transmission line between APS's existing Merrill Substation and the existing Coolidge Substation, owned and operated by Western Area Power Administration in Coolidge, Pinal County.

What is the purpose of the project?

As Arizona grows, we must plan and build new transmission lines to continue to supply the reliable and safe service you count on. We continually monitor our system and, when necessary, add or upgrade facilities.

The purpose of the Merrill to Coolidge 69kV Transmission Line Project (Project) is to increase electric service capacity and improve the reliability of the electric transmission system in APS's service territory in Pinal County. Currently, electric service to the Merrill Substation is supplied from a single source of power flowing in one direction. If there is a power outage on the system, there is limited capacity to redirect power flows to the areas in need. That could interrupt our ability to provide power to customers in the area. The Project will connect the Merrill and Coolidge substations to improve reliability.

How is a transmission line route identified?

APS is conducting a siting study to identify a viable route for the transmission line. When developing alternative routes and selecting a route for the transmission line, APS evaluates criteria. That includes potential environmental impacts, potential impacts on existing and planned development, engineering and construction feasibility, safety standards, land acquisition timing and costs, regulatory approvals and input from agencies and the public. The route selected will be carried forward into the next Project phase of permitting.

Your input is important to us!

An important component of the siting study is to gather comments from the public in the Project siting area. We want to hear from property owners, residents and businesses. Information about the Project can be found on the Project webpage by going to aps.com/merrillcoolidge. You can comment and ask questions about this proposed Project by email or by phone – please see the contact information at the bottom of the page. You can also attend open house meetings that will be announced on our webpage, in letters to landowners and other stakeholders and via local media.

Anticipated Project Schedule

Project Planning: 2023 –2024 | Permitting: 2024 | Construction: Q4 2026 | In Service: Q1 2027

For more information:

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Project Features

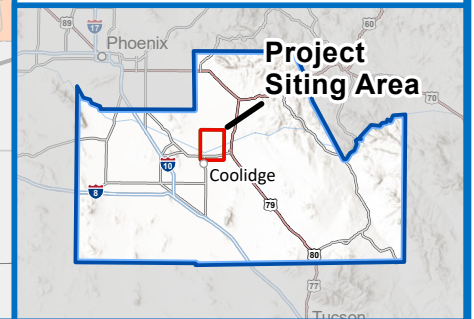
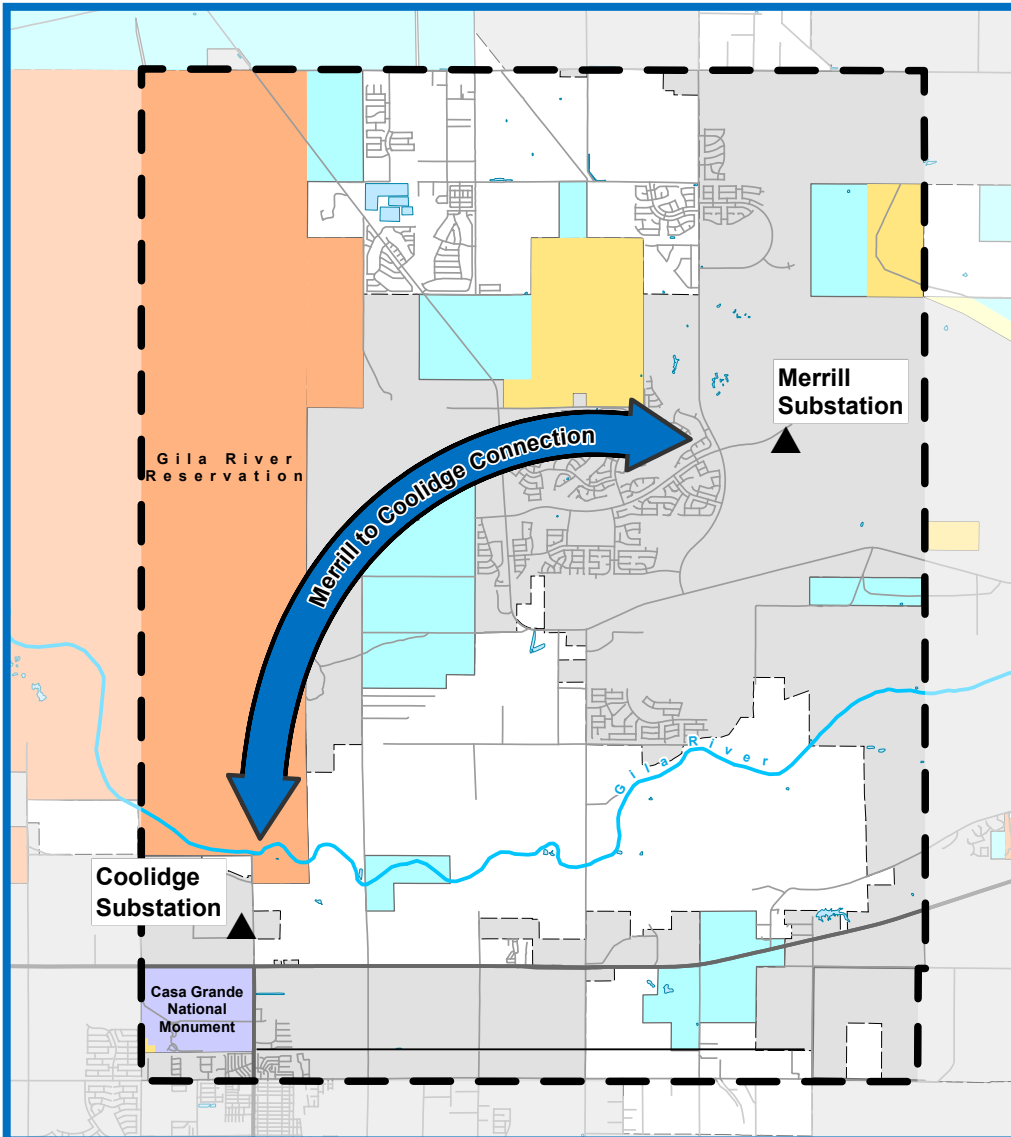
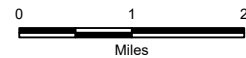
- ▭ Project Siting Area
- ▲ Existing Substation

Land Ownership

- ▭ Tribal Land (Bureau of Indian Affairs)
- ▭ Bureau of Land Management
- ▭ Bureau of Reclamation
- ▭ National Parks Service
- ▭ State of Arizona
- ▭ Private

Reference Features

- ▭ City/Town Boundary
- ▭ Water Body



Structure Type

- **Voltage:** 69kV (one 69kV circuit initially, future 2nd 69kV circuit and 12kV distribution underbuild)
- **Type of structure:** Steel monopole
- **Length:** Approximately 8 to 12 miles
- **Height of monopoles:** Approximately 65 feet (depends on design requirements)
- **Span between monopoles:** 250 to 350 feet (15 to 20 structures per mile)
- **Right-of-way width:** 60 feet

