



Transmission Planning & Engineering
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Subject: APS 2026 Annual Progress Report for Planning Coordination

In accordance with the reporting guidelines established by the WECC Planning Coordination Committee, the following Annual Progress Report with changes to Arizona Public Service (APS) Company's system for the 2026-2035 periods are being reported. These projects are not expected to have significant impacts on the operation of the WECC interconnected electric system, and therefore APS requests a Waiver of “Significant Impact” status for these transmission projects. These projects have been modelled in the Ten-Year Plan submittal to the Arizona Corporation Commission. All the projects proposed are for serving local load while maintaining or enhancing the reliability of the local transmission system.

Project Name	Description	Purpose	Expected In-service Date
Morgan-Outer Circle 230kV Lines	The Morgan to Outer Circle 230kV lines will originate from Morgan Substation and head west to the existing Sun Valley Morgan 500kV alignment. The ~20mile line will utilize the open circuit position on the existing Sun Valley – Morgan 500kV line structures. The line will terminate at the Outer Circle substation, which will be located on the southeast corner of the 235 th Ave alignment and Grand Ave, northwest of the City of Surprise	Allow for the interconnection of new generation at the Delaney and Sun Valley substation and to support load growth in the northwest Surprise, Wittmann, north Peoria, and north Phoenix areas.	2030
Panda – Freedom 230kV Line #1 Upgrade	The existing Panda -Freedom 230kV line #1 will be rebuilt in its existing alignment after the completion of the new panda-Freedom 230kV line #2. New structures will be utilized to support a higher capacity conductor. From Panda substation to the location of the future Hazen 230/69kV substation, the line will be rebuilt using monopole structures capable of carrying a future 500kV circuit. Between Hazen substation and Lower Buckeye Road, the rebuilt line will remain single circuit. The rebuilt structure will continue share structures with WAPA Parker-Liberty 230kV line where the existing lines are co-located.	To support generation additions in the vicinity of the Gila River and panda substations. The line will also support continued customer growth in the Buckeye area and increase access to diverse generation resources.	2031
Desert Sun 230kV and 500kV Interconnections	The project is planned to include two alignments consisting of one 6000kV line and one 230kV line on double-circuit structures. One alignment is proposed to	To reliably deliver the output of the potential new power plant to the	2031

Project Name	Description	Purpose	Expected In-service Date
	initially include 230kV and 500kV circuits with the 230kV proposed to be energized in 2030 and the 500kV proposed to be energized in 2031. The Desert Sun substation will be located east of the Solana Generating Station and west of the Town of Gila Bend.	APS transmission system to support the continued load growth within the APS service territory.	

The following 26 projects in the 2025-2034 Ten Year Transmission System Plan were provided in previous year transmission plans and currently have waivers granted.

Project Name	In-service Date
Goodyear 230kV Lines	2025
Parkway 230kV Lines	2025
Broadway 230kV Lines	2025
Dromedary 230kV Lines	2025
Proving Ground (Ironwood) Solar and Storage 500kV Interconnection	2025
West Camp Wind Gen-Tie Project	2025
Conrail 230kV Lines	2026
Hashknife Energy Center Transmission Provider Interconnection Facilities	2026
Diamond 230kV Lines (formerly Runway)	2027
Sun Valley to Outer Circle 230kV Line	2027
Helios to Milligan (previously Sundance) 230kV Line	2027
Bagdad 230kV Transmission Line	2028
Bianco 230kV Lines	2028
Wafer 500kV and 230kV Lines (previously TS22)	2028
Pinnacle Peak to Ocotillo 230kV Line Rebuilds	2030
Panda to Freedom 230kV New Line #2 (previous Rebuild)	2030
Jojoba to Rudd 500kV Line	2031
Runway to Stratus 230kV Line Cut-In to TS21	2030
Independence – Broadway 230kV Line (previously TS21-Broadway)	2030
Four Corners to Cholla to Pinnacle Peak 345kV Line Rebuilds	2038
Snowflake Solar Transmission Provider Interconnection Facilities	2027
Q264 Transmission Provider Interconnection Facilities	2028
Cholla-Chevelon 345kV Line Cut-In to Sitgreaves	2029
North Gila-Orchard 230kV Line Circuit #2	2029
Agua Fria – Conrail 230kV line	2030
Saguaro Power Campus Upgrades	2030

All facility additions listed herein are being planned and will be operated in conformance with NERC Planning Standards and WECC System Performance Criteria. If you have any comments or questions about any of the projects, please contact me.

Sincerely,

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