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Docket Control
Arizona Corporation Commission
1200 West Washington
Phoenix, Arizona 85007

RE: Arizona Public Service Company(APS or Company) 2021-2031 Ten-Year
Transmission System Plan
Docket No. E-99999A-21-0009

On January 29, 2021, APS filed its Ten-Year Transmission System Plan (Ten-Year Plan) in compliance with A.R.S. § 40-360.02.

Attached is a supplement to the aforementioned filing. This supplemental filing outlines proposed projects, which are needed to provide electric service to new high load customers. APS is adding the proposed projects to the 2021-2030 Ten-Year Plan because the Projects entail new 230kV transmission lines, the relocation of an existing double circuit transmission line, including one 500kV circuit and one 230kV circuit, and the addition of four transformers. The Avery 230kV Lines project was previously filed in the Ten-Year Plan as TBD and has been advanced to an in-service date of 2022.

The technical study report and the internal planning criteria and system ratings are deemed confidential Critical Energy/Electric Infrastructure Information (CEII). The confidential information for these proposed projects can be made available upon request under separate cover pursuant to a Protective Agreement.

Please let me know if you have any questions.

Sincerely,

/s/ Rod Ross

Rodney J. Ross

RJR/agc
Attachments

Attachment A
Project Descriptions

**Arizona Public Service Company
2021 - 2030
Ten-Year Plan
Planned Transmission Description**

2022

<u>Project Name</u>	Avery 230kV Lines
<u>Project Sponsor</u>	Arizona Public Service Company
<u>Other Participants</u>	None
<u>Size</u>	
(a) Voltage Class	230kV AC
(b) Facility Rating	TBD
(c) Point of Origin	Scatter Wash - Raceway 230kV line
(d) Intermediate Points of Interconnection	None
(e) Point of Termination	Avery 230kV Substation
(f) Length	Less than 1 mile
<u>Routing</u>	The Avery Substation planned location is adjacent to the existing Scatter Wash - Runway 230kV line generally between Loop 303 and West Carefree Highway, west of Interstate 17. The project will cut the new substation in and out of the existing 230 kV line.
<u>Purpose</u>	Driving Factor(s): To provide electric energy to a new high load customer in the area. In-service date is predicated on ramp rate of customer load.
<u>Date</u>	
(a) Construction Start	2021
(b) Estimated In-Service	2022
<u>Permitting / Siting Status</u>	<i>On March 10, 2021, APS filed an application to amend CEC Case No. 120 (Decision No. 65997, amended by Decision No. 73824), North Valley Project.</i>

Arizona Public Service Company
2021 - 2030
Ten-Year Plan
Planned Transmission Description

2022

<u>Project Name</u>	Relocation of 230kV and 500kV Lines near Avery Substation
<u>Project Sponsor</u>	Arizona Public Service Company
<u>Other Participants</u>	None
<u>Size</u>	
(a) Voltage Class	230kV AC and 500kV AC
(b) Facility Rating	No change
(c) Point of Origin	Around Avery 230kV substation
(d) Intermediate Points of Interconnection	None
(e) Point of Termination	Around TS22 500/230kV substation
(f) Length	Approximately 3.3 miles
<u>Routing</u>	Approximately 3.3 miles of the existing double-circuit transmission line with one 500kV circuit and one 230kV circuit running east-west following the Dove Valley Road alignment from 39 th Avenue would be relocated approximately 0.2 miles north.
<u>Purpose</u>	Driving Factor(s): To allow for the development of a new high load customer in the area. In-service date is predicated on ramp rate of customer load.
<u>Date</u>	
(a) Construction Start	2021
(b) Estimated In-Service	2022
<u>Permitting / Siting Status</u>	<i>On March 10, 2021, APS filed an application to amend the CEC issued in Case No. 131 (Decision No. 69343).</i>

**Arizona Public Service Company
2021 - 2030
Ten-Year Plan
Planned Transmission Description**

2023

<u>Project Name</u>	Runway Additional 230kV Lines
<u>Project Sponsor</u>	Arizona Public Service Company
<u>Other Participants</u>	None
<u>Size</u>	
(a) Voltage Class	230kV AC
(b) Facility Rating	TBD
(c) Point of Origin	Rudd – White Tanks (Three Rivers from 2023) 230kV line
(d) Intermediate Points of Interconnection	None
(e) Point of Termination	Runway 230kV Substation
(f) Length	Approximately 4 miles
<u>Routing</u>	The Runway 230kV substation would be approximately 4 miles south-west of the existing Rudd – White Tanks 230kV line corridor around West Buckeye Road. The cut-in and extension of the existing line will generally head south and then west to connect to the new Runway 230kV substation. Portions of the new lines may be double circuit capable.
<u>Purpose</u>	Driving Factor(s): To provide additional redundancy to a new high load customer in the area. In-service date is predicated on ramp rate of customer load.
<u>Date</u>	
(a) Construction Start	2022
(b) Estimated In-Service	2023
<u>Permitting / Siting Status</u>	<i>An application for a CEC has not yet been filed. APS anticipates filing a CEC application in 2022.</i>

**Arizona Public Service Company
2021 - 2030
Ten-Year Plan
Planned Transmission Description**

2024

<u>Project Name</u>	TS22 500 and 230kV Lines
<u>Project Sponsor</u>	Arizona Public Service Company
<u>Other Participants</u>	None
<u>Size</u>	
(a) Voltage Class	230kV AC and 500kV AC
(b) Facility Rating	TBD
(c) Point of Origin	Raceway – Scatter Wash 230kV line and Morgan – Pinnacle Peak 500kV line
(d) Intermediate Points of Interconnection	None
(e) Point of Termination	TS22 500/230kV Substation
(f) Length	Less than 1 mile
<u>Routing</u>	The TS22 Substation is planned to be located adjacent to the double-circuit transmission line carrying Raceway – Scatter Wash 230kV line and Morgan – Pinnacle Peak 500kV line, generally west of 51 st Avenue and Dove Valley Road alignment. The project will cut the new substation in and out of the existing 230kV line.
<u>Purpose</u>	Driving Factor(s): To provide electric energy to a new high load customer in the area. In-service date is predicated on ramp rate of customer load.
<u>Date</u>	
(a) Construction Start	2023
(b) Estimated In-Service	2024
<u>Permitting / Siting Status</u>	<i>On March 10, 2021, APS filed an application to amend the CEC issued in Case No. 131 (Decision No. 69343).</i>