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February 22, 2024

Thomas Carr
Chair, WECC Studies Subcommittee
Western Interstate Energy Board
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Doug Tucker
WECC Technical Staff
Western Electricity Coordinating Council
155 North 400 West, Suite 200
Salt Lake City, Utah 84103-1114

Mr. Carr and Mr. Tucker,

Attached is Salt River Project's 2024 Annual Progress Report to WECC in accordance with WECC Progress Report Policies and Procedures. If there are any questions, please contact me at eric.tang@srpnet.com.

Sincerely,

Eric Tang
Manager, Transmission Analysis

cc: Bryce Nielsen, SRP
Philip Augustin, SRP
WECC RAC StS

2024 Annual Progress Report to WECC
Salt River Project

Transmission Additions and Changes

In accordance with the WECC Progress Report Policies and Procedures, Salt River Project (SRP) is submitting its 2024 Annual Progress Report. The following projects will be reported in the 2024 "Existing Generation and Significant Additions and Changes to System Facilities" report in accordance with section five of the WECC "Project Coordination, Path Rating and Progress Report Processes" guideline.

Transmission Additions and Changes – Waiver of "Significant Transmission Project" Status Request

As of February 22nd, SRP is seeking a waiver of significant transmission project status for the following projects in accordance with Section 3 of the WECC Progress Report Policies and Procedures. They are not expected to have any significant impact to the operation of the Western Interconnection.

1. **Laveen 500/230 kV**
   Estimated date of operation: 2027-TBD

Point of Origin	Section of Anderson – Orme 230 kV Lines
Intermediate point	New Laveen 500/230 kV Substation
Point of Termination	Section of Anderson – Orme 230 kV Lines
Length	Approximately 4.1 miles

   The project will serve future industrial and commercial customers in the Laveen area.

   The project will loop-in a new 230 kV double circuit from the existing Anderson – Orme 230 kV transmission lines to the new 500/230 kV Laveen Substation.

2. **Nate 230 kV**
   Estimated date of operation: 2027

Point of Origin	Section of Abel – Scott 230 kV Line
Intermediate Point	New Nate 230 kV Switchyard
Point of Termination	Section of Abel – Scott 230 kV Line
Length	Approximately 0.6 miles

   This is a single customer requested project and is not triggered by system load growth.

   The project will loop-in a new 230 kV double circuit from the existing Abel – Scott 230 kV transmission line to the new 230 kV Nate Switchyard.

3. **Browning Third 500/230 kV Transformer**
   Estimated date of operation: 2024

   This project is needed to meet system load growth around the Browning service area.

4. **Pinal Central Third 500/230 kV Transformer**
   Estimated date of operation: 2024

   This project is needed to accommodate new interconnection projects.

5. **Pinal Central Fourth 500/230 kV Transformer**
   Estimated date of operation: 2024

   This project is needed to accommodate new interconnection projects.

6. **Browning Fourth 500/230 kV Transformer**
   Estimated date of operation: 2025

   This project is needed to meet system load growth around the Browning service area.

7. **Rudd Fifth 500/230 kV Transformer**
   Estimated date of operation: 2026

   This project is needed to meet system load growth around the Rudd service area.

8. **Rudd Sixth 500/230 kV Transformer**
   Estimated date of operation: 2029

   This project is needed to meet system load growth around the Rudd service area.

Transmission Additions and Changes – Projects Granted a Waiver of "Significant Transmission Project" Status

The following transmission additions and changes have received a waiver of "Significant Transmission Project" status as of 2023.

1. **Coolidge Expansion Project (CEP)**
   Estimated date of operation: 2026

Point of Origin	On approximately 100 acres south of Coolidge, AZ south of and adjacent to the existing Coolidge Generating Station
Point of Termination	New 500 kV gen-tie and switchyard at existing Coolidge Generating Station
Length	Less than 1 mile

   The proposed Coolidge Expansion Project (CEP) is needed to meet the significant near-term increase in energy needs in SRP's service territory. In addition, the CEP will enable the addition of more renewable resources while maintaining a reliable power grid. The CEP will ensure that SRP can meet these objectives while staying on the path to achieve our deep decarbonization goals over the long term.

   The project consists of looping the existing Pinal Central to Browning 500 kV transmission line in and out of the new 500 kV switchyard resulting in a Pinal Central to new 500 kV switchyard transmission line, and a new 500 kV switchyard to Browning transmission line. In addition, four new generator tie lines will traverse from the new generating facilities to the new 500 kV switchyard.

2. **Hassayampa – Pinal West #2 500 kV line**
   Estimated date of operation: 2028

Point of Origin	Hassayampa 500 kV Switchyard
Intermediate Point	Jojoba 500 kV Switchyard
Point of Termination	Pinal West 500 kV Switchyard
Length	Approximately 51 miles

   The Central Arizona Transmission System study identified system additions to provide access to new generation in western or central Arizona. This is a reliability driven project that, for SRP, is not triggered by system load forecasted within the next ten years, however it will increase SRP's capacity to import market resources from West of SRP's service territory to our network. Other load serving entities with an ownership interest in the project have identified this project as necessary within the next ten years to meet increased system load growth, improve reliability, and for overall transmission system support.

The routing is south and east of the Hassayampa 500 kV Switchyard along the existing Kyrene – Palo Verde 500 kV line to a point where the gas pipeline splits from the transmission line, then generally along the pipeline (except in the Maricopa County Mobile Planning Area) to the Pinal West 500 kV Switchyard.

3. High-Tech Interconnect Project (HIP)
Estimated date of operation: 2023-2024

Point of Origin	Henshaw 230 kV Substation
Intermediate Point	New Parlett (RS-28) 230 kV Substation
Point of Termination	Schrader 230 kV Substation
Length	Approximately 3.0 miles overhead & 3.5 miles underground

The High-Tech Interconnect Project (HIP) will provide high-voltage transmission system additions required to meet the power needs of a customer's expansion plans while increasing capacity and reliability for existing and future businesses within the Price Road Corridor.

The project consists of a new double circuit 230 kV line from the Henshaw Substation to a new 230 kV Substation (Parlett) located on the customer's property at the northeast corner of Old Price Road and Chandler Heights Road in the City of Chandler. It also includes a new 230 kV line from the Parlett Substation to the Schrader Substation. This line will be constructed with infrastructure that could support a second circuit in the future. It is anticipated that certain portions of these lines will be located underground.

4. Southeast Power Link 230 kV
Estimated date of operation: 2023-2024

Point of Origin	Section of Santan - Sidewinder 230 kV Line
Intermediate Point	New Scott (RS-31) 230 kV Substation
Point of Termination	Section of Abel – Pfister – Ball 230 kV Line
Length	Approximately 7 miles

The purpose of this project is to serve growing industrial and commercial customers in the southeast valley.

The project consists of approximately seven miles of a new 230 kV double-circuit transmission line from the existing Browning – Santan 230 kV Transmission Line to the new 230 kV Scott (previously RS-31) Substation located east of the Loop 202/SR-24 interchange and terminating at the future Abel – Pfister – Ball (APB) 230 kV Transmission Line.

5. **Red Hawk 230 kV**
   Estimated date of operation: 2023-TBD

Point of Origin	Section of Browning – Santan 230 kV Line
Intermediate Point	New Sidewinder (SY-33) 230 kV Switchyard
Point of Termination	Section of Browning – Santan 230 kV Line
Length	Less than 1 mile

This is a single customer requested project and is not triggered by system load growth.

The project consists of two new 230 kV transmission lines that bisect and connect the existing Browning – Santan 230 kV Transmission Line via underground to a new 230 kV switchyard (Sidewinder) located near the northwest corner of Elliot Road and Sossaman Road in the City of Mesa adjacent to the existing Browning – Santan 230 kV transmission corridor. It also includes new high voltage distribution lines from the switchyard to new load serving transformers.

6. **Abel – Pfister – Ball 230 kV line**
   Estimated date of operation: 2024

Point of Origin	Santan – Schrader 230 kV Line (near existing Moody 69 kV substation and future Ball (RS-17) 230 kV substation)
Intermediate point	New Pfister (RS-24) 230 kV Substation
Point of Termination	Abel 230 kV Substation
Length	Approximately 20 miles

Estimated in-service dates are:
2024 — Abel – Santan & Abel – Schrader 230 kV Lines
TBD — Pfister Substation (RS-24) & Ball Substation (RS-17)

This project was originally proposed to serve long-term load growth in the southeast valley. The current timeline reflects two roles; a near-term reliability need driven by new generation resources connecting near Abel Substation and as the southern termination for the Southeast Power Link project needed to serve load in the southeast valley.

This project is a double-circuit 230 kV Transmission Line, designed to include future double-circuit 69 kV, that will extend from the existing Santan – Schrader 230 kV Transmission Line to Abel 230 kV Substation. The new transmission line will be routed generally to the southeast along Rittenhouse Road and the Union Pacific Railroad (UPRR) with the exception of the area around the Town of Queen Creek. Through this area the line will run east along Ryan Road to Signal Butte Road, where it will turn south until returning to the UPRR alignment. This is in an effort to avoid the downtown Queen Creek area. The line will initially tap the existing Santan – Schrader 230 kV #2 Transmission line until the completion of Ball Substation (RS-17) at which time the line will terminate into Ball. In addition, the line

will be designed in such a way to terminate into the future Pfister Substation (RS-24) which is proposed to the south of downtown Queen Creek.

7. **Huckleberry**
   Estimated date of operation: 2024

Point of Origin	Section of Browning – Scott 230 kV Line
Intermediate Point	New Prickly Peak (RS-35) 230 kV Substation
Point of Termination	Section of Browning – Scott 230 kV Line
Length	Approximately 0.5 miles

This is a single customer requested project and is not triggered by system load growth.

The project consists of one new double-circuit 230 kV transmission line that bisects and connects the future Browning – Scott 230 kV transmission line to a new 230/69 kV substation (Prickly Pear) located near the southeast corner of Elliot Road and Ellsworth Road in the City of Mesa. The new 230 kV transmission line will be located south of drainage feature on the State of Arizona land.

8. **Orme – Rudd 230 kV Lines #1 and #2 Upgrade**
   Estimated date of operation: 2024

Point of Origin	Orme 230 kV Station
Point of Termination	Rudd 230 kV Station
Length	Approximately 9 miles

The Orme – Rudd 230 kV lines #1 and #2 reconductoring project is needed to maintain system reliability with forecasted load growth. The project consists of replacing the existing bundled conductor with composite conductor.

9. **Silver King – East Plant – West Plant 230 kV line**
   Estimated date of operation: 2027

Point of Origin	Silver King 230 kV Substation
Intermediate Point	New 230 kV Substation near the existing Oak Flat 115 kV Substation, tentatively named “East Plant Switchyard”
Point of Termination	New 230 kV Substation near the existing Goldfield – Silver King 230 kV line, tentatively named “West Plant Switchyard”.
Length	Approximately 7.5 miles

This is a single customer requested project and is not triggered by system load growth.

The alignment of the first 230 kV single-circuit line will closely follow an existing 115 kV

circuit. The line starts at the Silver King 230 kV Substation, runs southwest into the East Plant Switchyard 230 kV Substation, and then will traverse west to the West Plant 230 kV Switchyard. In addition, the existing Goldfield – Silver King 230 kV line will loop into the West Plant 230 kV Switchyard. The length is about 7.5 miles.

10. Anderson – Kyrene 230 kV Line #2
Estimated date of operation: 2028

Point of Origin	Anderson 230 kV Station
Point of Termination	Kyrene 230 kV Station
Length	Approximately 9 miles

The Anderson – Kyrene 230 kV line #2 project is needed to maintain system reliability with forecasted load growth. The project consists of bundled conductor to build the new Anderson - Kyrene 230 kV line #2 and to bundle the existing Anderson - Kyrene 230 kV line #1 line on the same towers. SRP will install 10 ohm series reactors on the Kyrene East – Kyrene West 230 kV tie line to lower short circuit fault current contribution.