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Subject: GridLiance West (GLW) 2025 Annual Progress Report

Below is a summary of the generation resources listed in this report, categorized by resource type and in-service year. The generation resources included met the following criteria listed in the Progress Report Process: generation projects 200-megawatts (MW) or greater connected to the transmission system through step-up transformers, or any facilities that may have a significant impact on the reliability of the Western Interconnection. For hybrid resources, the MW values shown in the table below are approved values of power injection at the point-of-interconnection regardless of whether power injected is photovoltaic (PV), a battery energy storage systems (BESS) or a combination of both.

Generation Resource Summary by Year				
Resource Type	2025	2026	2027	2028
Wind	-	-	-	-
PV only	-	-	-	-
BESS only	-	-	-	-
Hybrid PV and BESS			-	-
Light Rail	-	44 MW-		-

In accordance with the Western Electricity Coordinating Council (WECC) Progress Report Policies and Procedures, the following is GLW's 2025 Annual Progress Report for transmission and generation facility additions and changes on the Bulk Electric System (BES) are:

Projects Not Included in the 2024 Annual Progress Report	
Transmission Projects	Expected In-Service
None	
Generation Projects	
None	

Existing Projects Identified in the 2024 Annual Progress Report	
Transmission Projects	Expected In-Service
1 GLW 230 kV Revised Upgrades – CAISO 2022-2023 TPP (Waiver Approved)	12/2027
<p>Description: As part of their 2022-2023 Transmission Plan (TPP), the California Independent System Operator (CAISO) revised the scope of previously approved 2021-2022 TPP GLW/ Valley Electric Association (VEA) Area Upgrades transmission project to add the following two new projects.</p> <ul style="list-style-type: none"> • Install a new Trout Canyon 500 kV bus and three 500/230 kV transformers at Trout Canyon. • Rebuild Trout Canyon – Sloan Canyon 230 kV DCTL lines to 500 kV DCTL lines.* <p>* This project element replaces the double circuit 230 kV lines from Trout Canyon to Sloan Canyon as described in the “Existing Projects Identified in the 2023 Annual Progress Report” section below.</p>	
2 GLW 230 kV Upgrades – CAISO 2021-2022 TPP (Waiver Approved)	12/2027

Description: As part of their 2021-2022 Transmission Plan (TPP), the California Independent System Operator (CAISO) approved a bundle of eight new GLW projects to upgrade GLW’s existing facilities and add new transformer capacity. The seven projects listed below have approved WECC waivers of Significant Impact. The eighth project will go through the WECC’s Path Rating Process (Add a 500/230 kV transformer at Sloan Canyon and loop-in the Harry Allen to Eldorado 500 kV line at Sloan Canyon.) The CAISO approved these projects for policy and economic reasons. In their 2022-2023 TPP the CAISO revised and added projects to the scope of GLW’s bundled projects which are described in the “Projects Not Included in the 2023 Annual Progress Report” section above.

- Rebuild to 230 kV double circuit from Desert View to Northwest.*
- Add a second 230 kV circuit from Innovation to Desert View.
- Rebuild the existing 230 kV single circuit from Pahrump to Innovation.
- Rebuild to 230 kV double circuit from Pahrump to Gamebird to Trout Canyon.
- Rebuild to 230 kV double circuit from Trout Canyon to Sloan Canyon.**
- Add a 138 kV phase shifter at Innovation substation to the planned 138 kV tie-line with NVE Energy.
- Upgrade VEA's Amargosa 230/138 kV transformer.

* This project element may be part of the WECC Path Rating study for the new Sloan Canyon 500kV Substation as this project is listed in Paths 81 and 89. These Paths include the Harry Allen – Eldorado 500kV line which is the source for new 500kV at Sloan Canyon.

** This project element is replaced with new double circuit 500kV lines from Trout Canyon to Sloan Canyon as described in the “Projects Not Included in the 2023 Annual Progress Report”

3 **GLW Beatty Area 230 kV Project – CAISO 2022-2023 TPP** (Waiver Approved)

12/2027

Description: As part of their 2022-2023 Transmission Plan (TPP), the California Independent System Operator (CAISO) approved GLW to construct the following 230kV facilities in VEA’s Beatty area. The purpose of this project is to provide 230 kV transmission capacity for new generation proposed in the area. The Beatty 230 kV Project scope includes:

- Build a new Johnnie Corner 230 kV station and loop into the Pahrump – Innovation 230 kV line.
- Expand existing Beatty, Lathrop, Valley Switch and Vista 138 kV substations to 230 kV Substations.
- Build 32 miles Beatty – Lathrop 230 kV line next to the existing 138 kV line in an adjacent ROW.
- Build 30 miles Johnnie Corner – Valley Switch – Lathrop 230 kV DCTL lines next to the existing 138 kV line in an adjacent ROW and
- Install a second Johnnie Corner – Innovation and Johnnie Corner – Vista – Pahrump 230 kV line on the Innovation – Pahrump double circuit tower approved in 2021/22 TPP.

Generation Projects		Expected In-Service
1	ARES – Q1064	12/2027
<p>Description: Advanced Rail Energy Storage (ARES) is a 44 MW light rail generation system to provide ancillary services to the CAISO power market. Project owner is ARES Nevada LLC. In 2023, 6.4 MW will be energized, with the remainder to be energized at some future unscheduled date.</p> <p>Point of interconnection: GLW’s Gamebird 230 kV substation.</p>		

Projects to be Removed from the Annual Progress Report	
Transmission Projects	Withdrawal Date
None	
Generation Projects	Withdrawal Date
None	

Projects Placed In-Service Since the 2024 Annual Report	
Transmission Projects	In-Service
None	
Generation Projects	
None	

If you have any questions regarding GLW’s 2025 Annual Progress Report, please contact me at Jaime.Hoffman@nexteraenergy.com and DL-GLW-Planning@nexteraenergy.com

Sincerely,



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Cc:

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