

Planned Resource Additions by Subregion

WECC's annual Western Assessment of Resource Adequacy (Western Assessment) examines resource-adequacy-related risks concerning the reliability of the Western Interconnection over the next 10 years. Through an energy-based probabilistic approach, WECC looks at the risks throughout the interconnection and five subregions (See Figure 1). This work is meant to help stakeholders target specific areas and topics for deeper evaluation and mitigation.

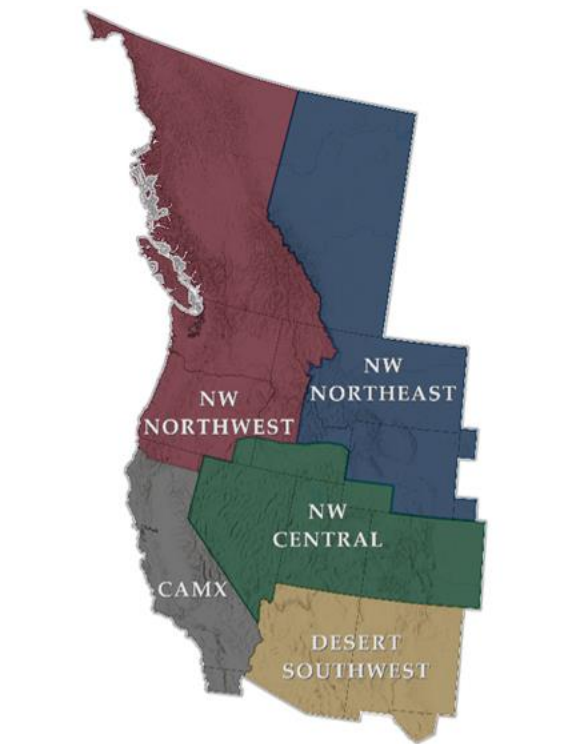


Figure 1: Map of the Western Interconnection with subregions

The [2024 Western Assessment](#) looks at the planned resource additions across the Western Interconnection over the next decade. An unprecedented 172 GW of resource additions are planned from 2025 through 2034, with more than 85% of those either battery storage, solar, or wind.

More than 51.5 GW in resource additions are planned to occur in the California-Mexico subregion from 2025 through 2034, at 51.5 GW (See Figure 2). More than 45 GW are battery storage, wind, and solar, with the total almost evenly divided among the three resource types.

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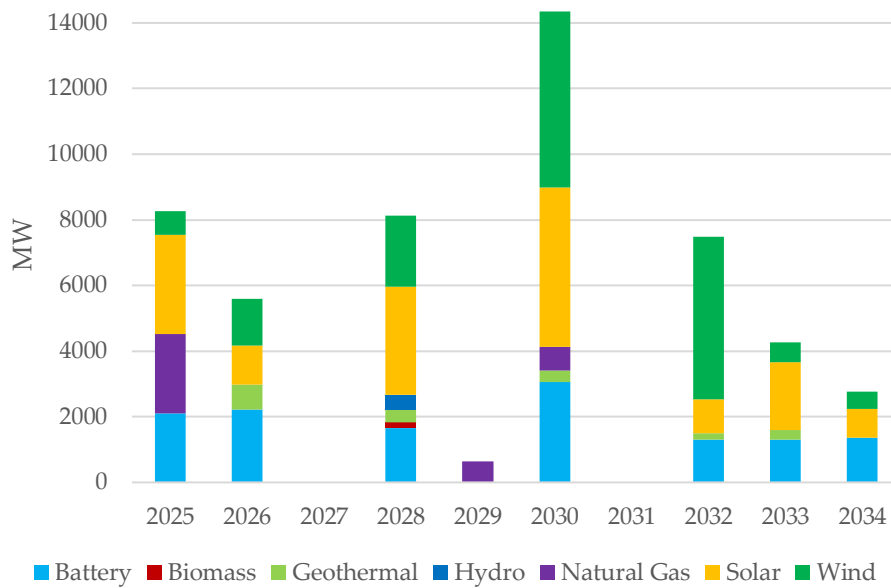


Figure 2: Planned resource additions in the California-Mexico subregion

The NW-Central subregion has the most resource additions planned over the next decade, with 65.8 GW (See Figure 3). The resource type with the most capacity planned to be added is solar with almost 30 GW.

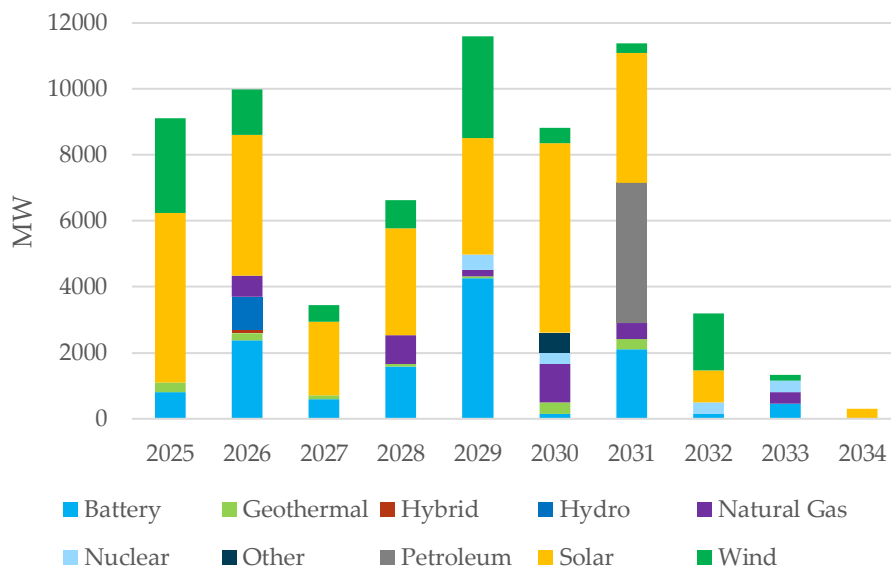


Figure 3: Planned resource additions in the NW-Central subregion

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Approximately 10.3 GW of resource additions are planned in the NW-Northeast subregion over the next decade, with almost 4 GW each of solar and wind (See Figure 4).

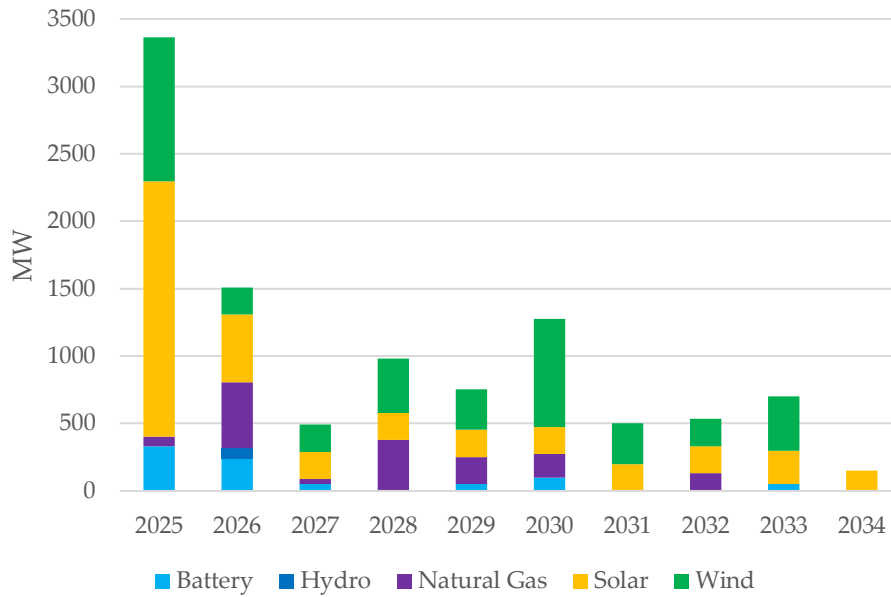


Figure 4: Planned resource additions in the NW-Northeast subregion

Approximately 12.8 GW¹ of resource additions are planned for the NW-Northwest subregion. Almost 8 GW of that total is solar and wind (See Figure 5).

¹ Data error correction: The total capacity of planned resource additions was changed on January 24, 2025 from 16.3 GW to 12.8 GW to correct an error related to wind generation planned to be built in 2026.

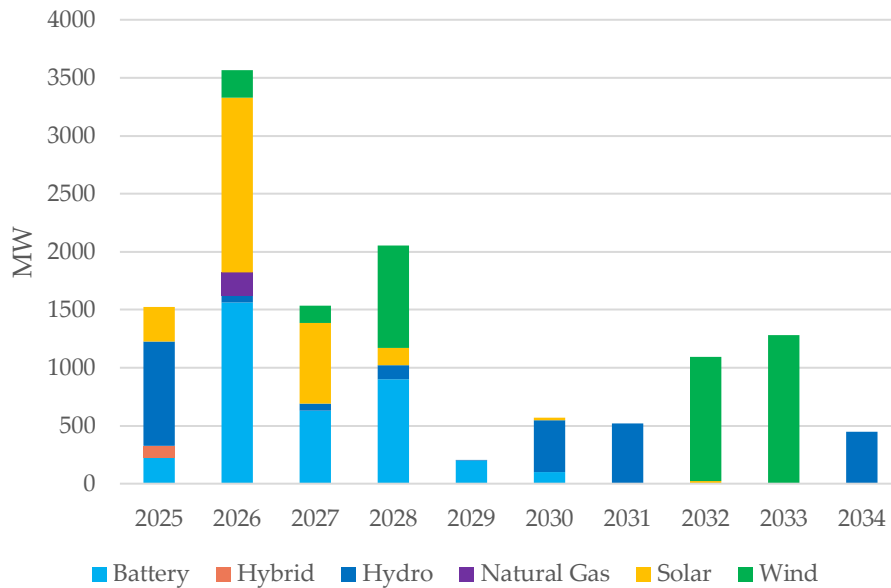


Figure 5: Planned resource additions in the NW-Northwest subregion

Approximately 31.8 GW² in resource additions are planned for the Desert Southwest subregion between 2025 and 2034 (See Figure 6). More than half the total—15.1 GW—is solar.

² Data error correction: The total capacity of planned resource additions was changed on January 24, 2025 from 27.3 GW to 31.8 GW to correct an error related to wind generation planned to be built in 2026.

Western Assessment 2024

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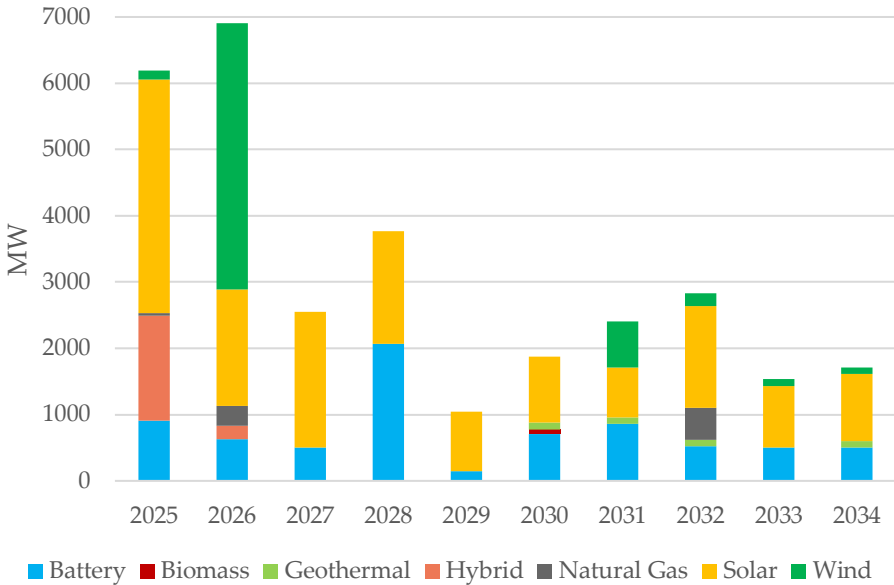


Figure 6: Planned resource additions in the Desert Southwest subregion