

**BEFORE THE WASHINGTON
UTILITIES & TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

AVISTA CORPORATION, d/b/a AVISTA UTILITIES

Respondent.

DOCKETS UE-240006 & UG-240007 (*Consolidated*)

**CROSS-EXAMINATION EXHIBIT OF JOSEPH D. MILLER
ON BEHALF OF THE
WASHINGTON STATE OFFICE OF THE ATTORNEY GENERAL
PUBLIC COUNSEL UNIT**

JDM-__X

EIA Today in Energy – January 9, 2024

September 16, 2024



Today in Energy

IN-BRIEF ANALYSIS

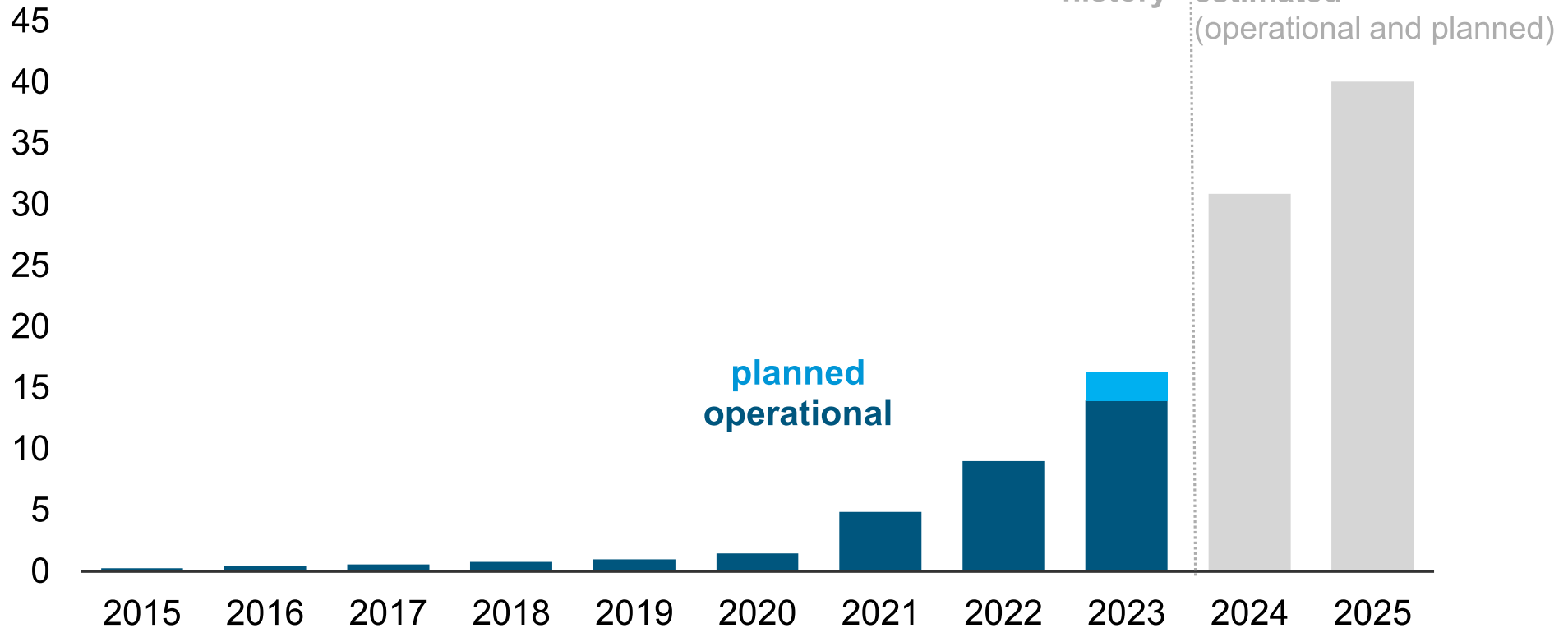
January 9, 2024

U.S. battery storage capacity expected to nearly double in 2024

Updated 1/9/2023 to correct ownership of the Moss Landing Energy Storage Facility.

Annual U.S. cumulative installed battery capacity (as of November 2023)

gigawatts



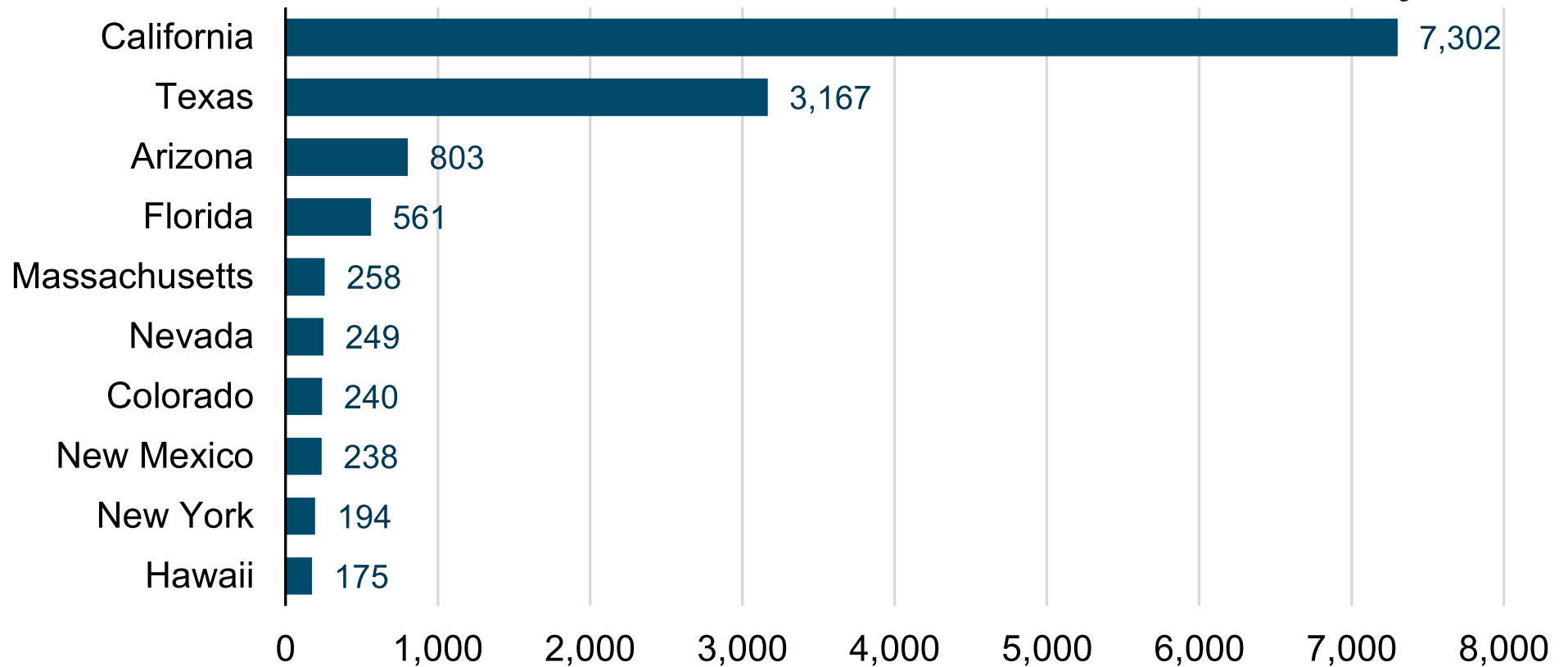
Data source: U.S. Energy Information Administration, [Preliminary Monthly Electric Generator Inventory](#), based on Form EIA-860M

U.S. battery storage capacity [has been growing](#) since 2021 and could increase by 89% by the end of 2024 if developers bring all of the energy storage systems they have planned on line by their intended commercial operation dates. Developers currently plan to expand U.S. battery capacity to more than 30 gigawatts (GW) by the end of 2024, a capacity that would exceed those of petroleum liquids, geothermal, wood and wood waste, or landfill gas.

Two states with rapidly growing wind and solar generating fleets account for the bulk of the capacity additions. California has the most installed battery storage capacity of any state, with 7.3 GW, followed by Texas with 3.2 GW. The rapid growth of variable [solar and wind capacity](#) in states such as California and Texas supports growth in battery storage, which works by storing [excess power](#) in periods of low electricity demand and releasing power when electricity demand is high. The remaining states have a total of around of 3.5 GW of installed battery storage capacity.

Planned and currently operational U.S. utility-scale battery capacity totaled around 16 GW at the end of 2023. Developers plan to add another 15 GW in 2024 and around 9 GW in 2025, according to our latest [Preliminary Monthly Electric Generator Inventory](#).

Top 10 U.S. states with the most installed battery capacity (as of November 2023)



Data source: U.S. Energy Information Administration, [Preliminary Monthly Electric Generator Inventory](#), based on Form EIA-860M

Battery storage projects are getting larger in the United States. The battery storage facility owned by Vistra and located at Moss Landing in California is currently the largest in operation in the country, with 750 megawatts (MW).

Developers expect to bring more than 300 utility-scale battery storage projects on line in the United States by 2025, and around 50% of the planned capacity installations will be in Texas. The five largest new U.S. battery storage projects that are scheduled to be deployed in California and Texas in 2024 or 2025 are:

- Lunis Creek BESS SLF (Texas, 621 MW)
- Clear Fork Creek BESS SLF (Texas, 600 MW)
- Hecate Energy Ramsey Storage (Texas, 500 MW)
- Bellefield Solar and Energy Storage Farm (California, 500 MW)
- Dogwood Creek Solar and BESS (Texas, 443 MW)

Principal contributors: Katherine Antonio, Alex Mey

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Exhibit JDM-__X

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