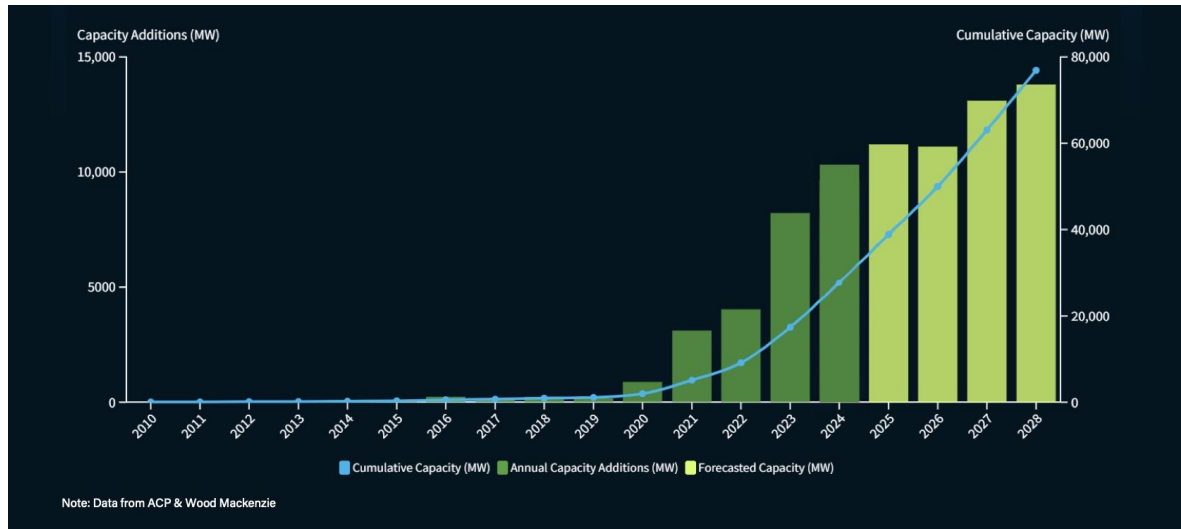
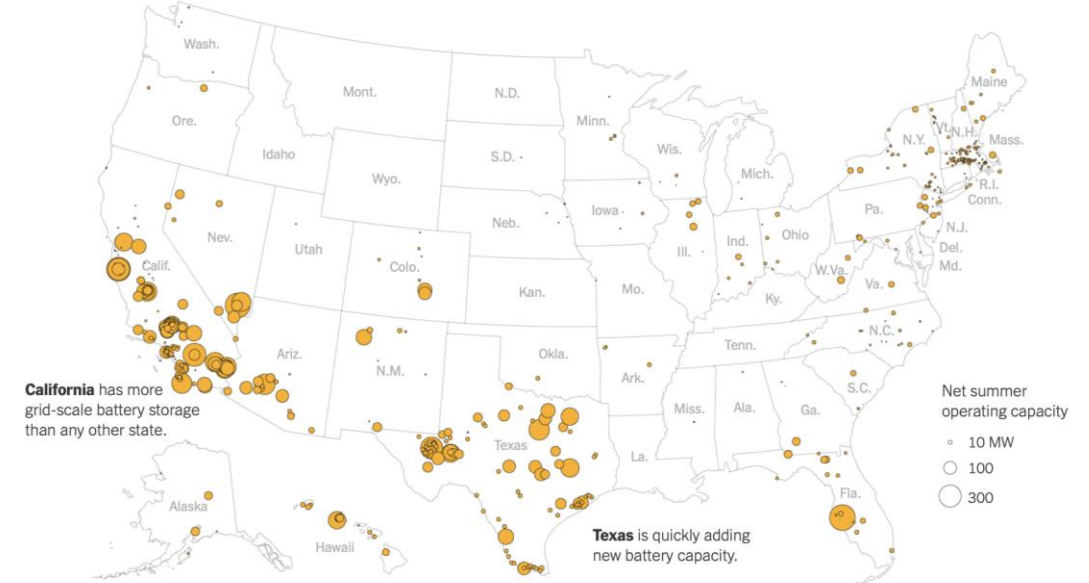


# Battery Energy Storage is Needed and Rapidly Expanding in the US

Cumulative Energy Storage Capacity and Annual Capacity Additions



US Battery Storage Sites 2024

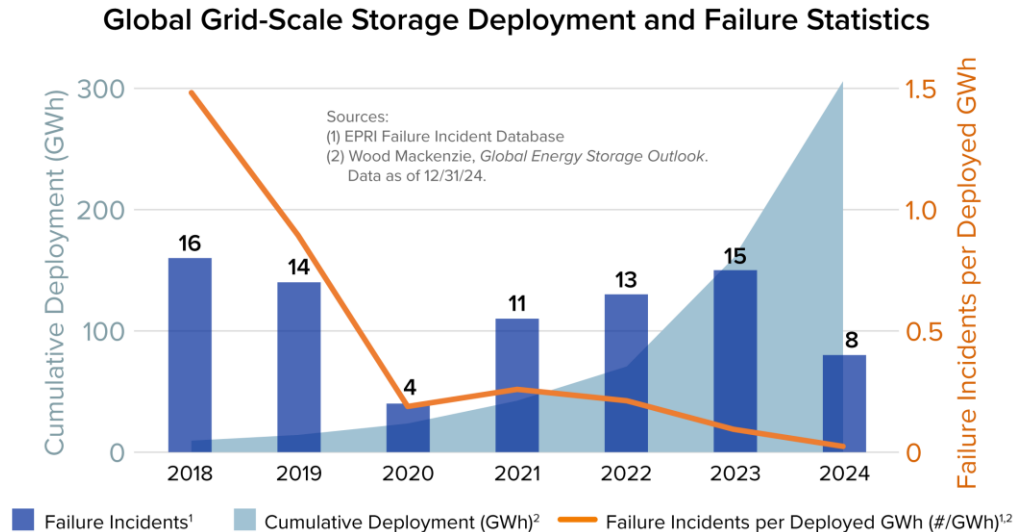


## Battery Energy Storage Systems

- Enhance grid stability and reliability
- Cost savings and power at peak demand (TX saved \$750M in Summer 2024)
- Power at night
- PNM Request for Proposals stipulates “No stand alone solar”

# Battery Energy Storage System Safety

## Electric Power Research Institute Failure Incident Database



**Failure incident: An occurrence caused by a BESS system or component failure which resulted in increased safety risk**

## Camelot Energy Group Sub-Analysis of EPRI



**Data filtered to include only modern US lithium-ion technology fires that occurred between 2022 and 2023 (10 total)**

- **EPRI data show dramatic drop in BESS incidents**
- **0.3% annualized incidence of Li-ion fire 2022-2023, similar to house fires in US**
- **Safety codes, testing standards updated in 2023, 2025**

### 2025 Assessment of 35 BESS fires (US 2012-2024) by Fire and Risk Alliance LLC:

- **“Historical data and scientific studies indicate that BESS remains a relatively safe technology with minimal environmental contamination risks.”**
  - **“In none of the reviewed cases of environmental sampling related to the BESS fire events were contaminant concentrations found that would pose a public health concern”**
- Note: Moss Landing data not available for this assessment**