

We Are **WSP**

WSP USA is the U.S. operating company of WSP, one of the world's leading engineering and professional services firms. Dedicated to serving local communities, we are engineers, planners, technical experts, strategic advisors and construction management professionals. WSP designs enduring solutions in the buildings, transportation, energy, water and environment markets. With more than 60,000 employees worldwide and 12,000 + employees in 200 offices across the U.S., we partner with our clients to help communities prosper.



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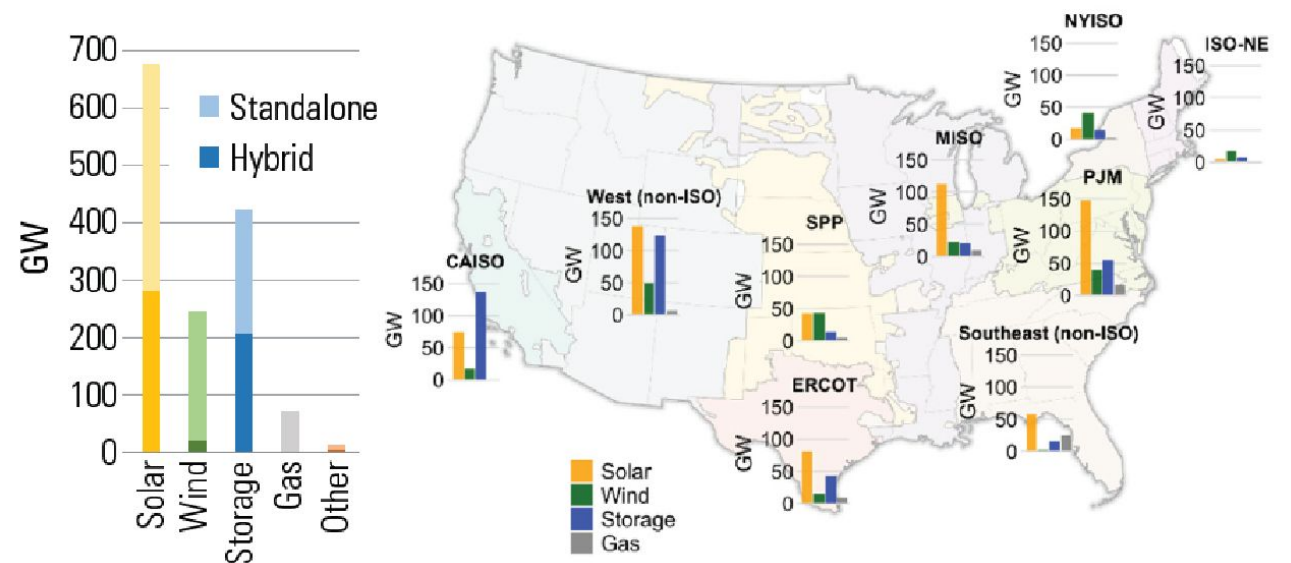


Root Problem:

Transmission Equity and Resilience

- Independent estimates indicate that to meet our growing clean electricity demands, we'll need to **expand transmission systems by 60% by 2030 and may need to triple those systems by 2050.**
- a large amount of potential clean power capacity has been proposed but is gridlocked due to the wait times and costs of connecting to the transmission grid
- American workforce and local communities will benefit but the average time to bring a new project on-line is 4+ years and growing

Figure 1. Power Plants Seeking Transmission Connection by Type (left) and Mapped to Region (right)



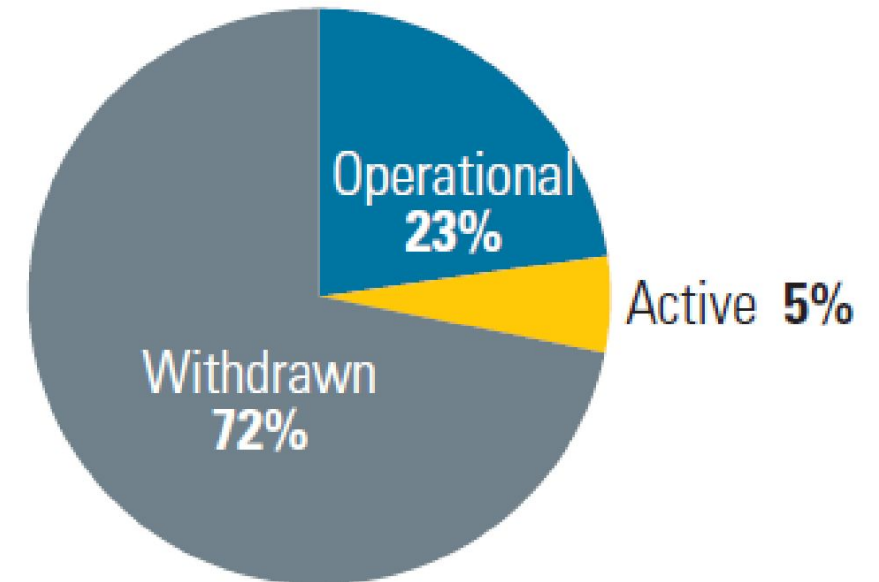
Notes: (1) Hybrid plants are those paired with one or more other type of generation or storage. (2) Data for Alaska and Hawaii were not collected. Represents queues as of the end of 2021.

Key Obstacle:

Go beyond National Interest Corridors -
Identify National Interest Projects to reduce
permitting uncertainty and focus
interconnection que traffic

- Withdrawn applications detract resources from most robust projects
- Permitting timelines are drawn out reducing the realization of workforce and community benefits from the generation of cleaner energy sources

Outcome of Interconnection Requests (submitted 2000-2016)



Benefits:

- Speed to market
- Faster onboarding of renewable energy to the grid
- American workforce job creation
- Reduction in project costs based on certainty in the market

Risks of inaction:

- Continuing bottlenecks in transmission queues
- Opportunity cost increases
- Increased time to market for transmission that accompanies clean energy generation
- Delayed transition to clean energy grid across US



*To achieve transmission equity and resilience, a critical obstacle to overcome is going beyond planning and **identify and prioritize National Interest Projects** for implementation before the interconnection process is underway.*

This approach reduces inequities of time and cost and brings clean energy to markets with greatest demand and overall grid benefit.

