## **Rethinking Energy 2020-2030: 100% Solar, Wind, and Batteries is Just the Beginning – Visual Summary**

## 100% Solar, Wind, and Batteries is Possible

Thousands of combinations of SWB can deliver 100% of our electricity demand. There is a nonlinear cost tradeoff between generation and storage. To identify which combination is least expensive, we use the **Clean Energy U-Curve.** 



## 100% Solar, Wind, and Batteries is the Cheapest System by 2030

Falling costs drive technology disruptions. Solar and wind are already the cheapest new generation options, and cost less than existing coal, gas, and nuclear power plants in many areas. The cost of SWB systems will fall another 70% by 2030, making disruption inevitable.



- » We are beyond the rupture point, and the bulk of disruption will unfold rapidly over the next decade.
- » Electricity from a 100% SWB system in 2030 will cost less than 3 cents per kilowatt-hour.
- » New investments in coal, gas, or nuclear power is financially unviable.
- » Existing coal, gas, and nuclear assets will be stranded.



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