

# Dispatchable Wind™

## Wind Power on Demand



C

B

D

A

F

E

The General Compression Advanced Energy Storage (GCAES™) System uses intermittent electricity from a wind farm to power near-isothermal compressor/expander units that efficiently produce high-pressure air that is stored in subterranean geology (salt caverns). When power is needed, air is expanded, running the system in reverse, converting the high-pressure air to electricity without burning any fuel. The GCAES™ system has a round trip efficiency AC to AC of 75%, turning intermittent wind energy into a dispatchable, reliable resource.

- A. integrated wind farm**
- B. high-pressure air**
- C. salt cavern**
- D. GCAES™ power plant**
- E. pond**
- F. electrical grid transmission**

100 MW project depicted, not to scale

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