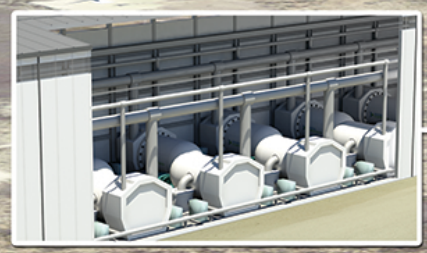
Dispatchable Wind™

Wind Power on Demand



A

B

C

D

E

F

The General Compression Advanced Energy Storage (GC*AES*™) 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 GC*AES™* 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. GC*AES™* power plant

E. pond

F. electrical grid transmission

100 MW project depicted, not to scale

275 Washington Street
Suite #210
Newton, MA 02458
617.559.9999
www.generalcompression.com

GENERAL COMPRESSION
expanding clean power™