

- Optimizing the grid;
- Bolstering reliability; and
- Enabling a clean grid.

How does storage reduce energy costs?

Supports the integration of more wind and solar generation: W Ca C a a
 c a c c c E a a a C c a a C
 a ab ab a a C c a c c
 c c c a

Reduces energy waste: E a ca a a C a
 b ab ab E a C c a ca
 b a CC c a B a C c
 ab c a C C a C a ca C c a
 a ac a C a a C C

Improves grid efficiency: E a a C ac ab c b a
 a a C aC ca CaC c a C a Ca C
 c C c c a a a c a C c a C
 b T C c a c

Energy Storage Enhances Grid Reliability & Resilience

C C AES

How do energy storage systems strengthen grid reliability?

Frequency Response and Regulation: E a
ab c c a a

Peaking Capacity: E a c c C a C
a ca c c c a c

Maximizing Renewable Energy Resource: E a C c c a ab
ab a c a C a c b

Grid Infrastructure Support: E a a a CC b
a c c ab a a a c
c a c a C c a a b

Increasing Operational Flexibility: E a ac a c a a