Advanced Clean Energy Storage (ACES)

MHPS

Based in Central Utah, ACES is the world's largest energy storage project. It uses proven technologies to develop a path toward a 100% renewable future.

Power Source

HYDRO

GEOTHERMAL

SOLAR

WIND

DID YOU KNOW?

In 2019 alone, the California grid shut down nearly $160M worth of excess electricity due to oversupply of solar and wind power.[1]

Excess Renewable Energy

DID YOU KNOW?

Improvements in electrolyzer technology are expected to reduce the cost of green hydrogen production 60% by 2030.[2]

Electrolyzers convert water into renewable hydrogen

Renewable hydrogen is stored in salt dome caverns

H_2

DID YOU KNOW?

The base of the ACES storage caverns are one mile deep, and a cavern is as tall as the Empire State Building.

Renewable H_2 for Large-Scale Applications

POWER

INDUSTRIAL

H_2

TRANSPORTATION

DID YOU KNOW?

The hydrogen market is estimated to grow 57% to $170B by 2050, fueled by an increase in demand from the power, industrial and transportation sectors.[3]

Sources: [1]CASIO; U.S. Energy Information Administration • [2]PV Magazine • [3]Grand View Report; Forbes