The real company doing pumped storage

Will pumped hydro storage change the future of energy storage?
Pumped hydro storage is set to play a significant role in shaping the future of energy storage. It has the potential to revolutionise the way we store and use renewable energy. With it,we can create a cleaner and more sustainable world for future generations.

How many pumped storage facilities are there in the US?
The nation has 43 pumped storage facilities with a combined capacity of 22 gigawatts. Just one small operation has been added since 1995 - and it's unclear how many of the more than 90 pumped storage facilities now planned will overcome economic, regulatory and logistical barriers that have forced long delays.

Are pumped storage plants a good investment?
New pumped storage plants take longer than that to license and build, cost billions, and can last a century--a virtue, but also a commitment that takes nerve in a rapidly changing market. It's possible utilities will be spared that choice by long-duration storage technologies that are still being developed.

What is pumped storage?
Pumped storage might be superseded by flow batteries, which use liquid electrolytes in large tanks, or by novel battery chemistries such as iron-air, or by thermal storage in molten salt or hot rocks. Some of these schemes may turn out to be cheaper and more flexible. A few even rely, as pumped storage does, on gravity.

What is a pumped storage hydropower facility?
Pumped storage hydropower facilities use water and gravity to create and store renewable energy. Learn more about this energy storage technology and how it can help support the 100% clean energy grid the country--and the world--needs.

What are pumped storage assets?
Pumped storage assets can provide all of these important contributions to a stable and successful power system, levelling out the fluctuations in availability of wind and solar energy, and helping to regulate voltage and frequency.

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