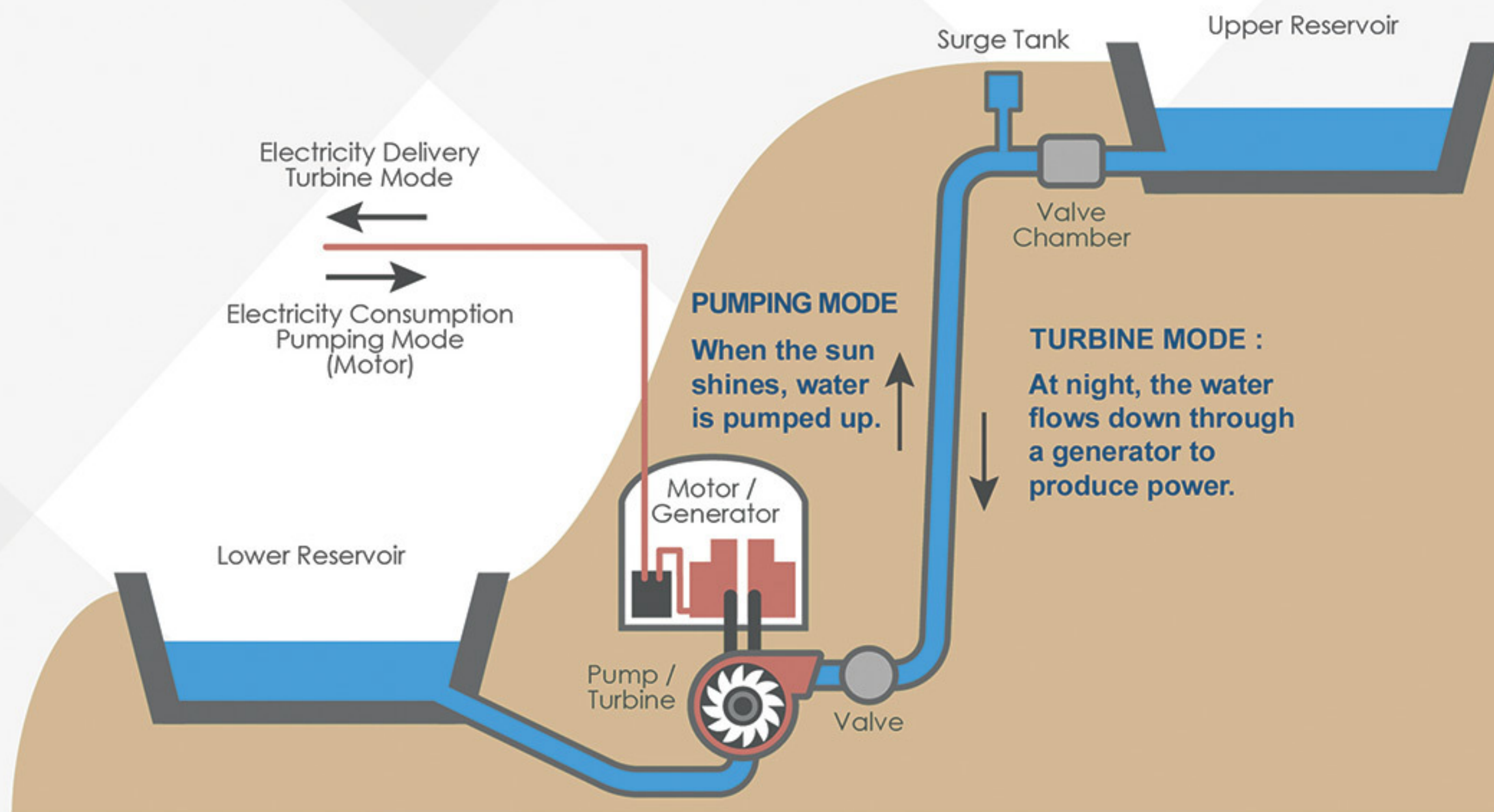


## PUMPED STORAGE HYDROPOWER TECHNOLOGY



## CHILCHINBETO PUMPED STORAGE HYDROPOWER

*A Water Battery for Utilities and Water Infrastructure for the Navajo Nation*

The project will have a reservoir on the top of Black Mesa and a reservoir at the base of Black Mesa. Water will move through a pipe in a closed loop from reservoir to reservoir over and over as directed by utilities: pumped up to store electricity, and flowing down through a generator to produce electricity. Evaporation will be minimized by installing floating solar panels or other methods. Utilities want the project to increase the regional electric grid reliability.

The project will provide the Navajo Nation infrastructure to build more renewable power projects. Importantly, over 90% of the project water infrastructure will be available for use by the Navajo Nation and its people.





# Chilchinbeto Chapter

## THE CHILCHINBETO PUMPED STORAGE HYDROPOWER PROJECT



The Chilchinbeto Pumped Storage Hydropower Project follows the Diné teaching of 'T'áá hwó' ajit'éego' self reliance or self determination. Chilchinbeto Chapter has voted to support this type of hydro-electric plant because it brings: jobs, water and economic development.

The project is expected to be located on about 200 acres on top of Black Mesa and about 200 acres at the base of Black Mesa and create directly or indirectly about 1,000 jobs during construction and 100 permanent jobs. Navajo Nation benefits may include:



Water



Jobs



Roads



Agriculture



Broadband



Economic  
Development



Grazing



Biodiversity