

# **Manila Energy Storage Hydraulic Equipment**





## Overview

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Why is energy storage important in the Philippines?

Energy storage systems are expected to play a critical role in the Philippines, offering these benefits: Supporting growing energy demand: By 2045, the Philippine population is estimated to reach 142 million, corresponding to an annual growth rate of 1.21 percent—more than double the average growth rate in Asia.

Will new pumped-storage hydro plants help the Philippines?

But with new pumped-storage hydro coming in, as was made apparent by GEA-3, the challenge for old hydro plants like CBK is to further optimize its output and reliability so that it can competitively operate for many more years and continue to help the Philippines in its energy transition.

Is Hydro still a good source of power in the Philippines?

Nonetheless, it is still hydro that accounts for a higher share of the Philippine power mix today with about 13% of flexible, dependable capacity, as against 9-10% from intermittent solar and wind capacities combined.

What is the capacity of Pakil pumped storage hydroelectric power project?

Located in Laguna, it currently has a capacity of 797 MW. Pakil Pumped Storage Hydroelectric Power Project: This upcoming project in Laguna is set to become one of Asia's largest pumped storage hydroelectric power facilities, boasting a capacity of 14,000 MWh per day and a generating output of 1,400 MW.



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