

# Wind power generation during the flood season

Although all the above studies can improve the benefit of hydropower reservoirs under the premise of ensuring flood control safety, the benefit target mainly focuses on the ...

control and power generation is calculated to guide the actual operation of the cascade reservoirs. Water 2019, 11, x FOR PEER REVIEW 3 of 16 a series of tasks such as flood control, power ...

The larger natural inflow in the Yalong River basin during the flood season can significantly increase the overall generation capacity of cascade reservoirs. Some hydropower ...

In the last quarter of 2020, the wind speeds picked up and compensated for the dip during the monsoon months. Therefore, the overall reduction in wind power generation in 2020 (when compared with 2019) was 5.3 per cent. In 2020, ...

(2) The flood risks and power generation benefits of the reservoir are calculated after raising the FLWL, the optimal FLWL for the main flood season is 185.5 m, and the optimal FLWL for the ...

During the rising period of the flood, the discharged flow is lowered to reduce the flood peak, and when the sediment peak reaches the dam, the discharged flow is increased to ...

In order to make full use of flood resources on the basis of ensuring flood control safety, and improving power generation benefits of the hydropower reservoir during flood ...

However, it is a challenge to operate a multipurpose reservoir during flood season in several situations: a) when the reservoir serves conflicting purposes such as conservation ...

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