Technology Fact Sheet

Pumped-storage hydroelectricity[i]

1) Technology status

Vietnam: under feasibility study.

World: popular in some countries, operating stably and efficiently.

2) Socio-economic benefits

- Regulating and saving water resources.
- Providing more electricity during peak demand periods, generating high revenue and socio-economic benefits.

3) Environmental benefits

Utilizing water and other renewable energies effectively, reducing the fossil fuel consumption and, in the end, GHG emissions.

4) Application potential

- Vietnam has a high hydroelectricity potential, with conventional hydropower accounting for 35% of the total generating capacity.
- Regulating and using water resources effectively to meet the peak demand is imperative. According to the electric power planning, Vietnam is still capable of building another 10 hydropower plants in the North and Central Vietnam, with total generating capacity of 10,000 MW.

5) Barriers

Still under debate on location and scale.

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[i] This fact sheet has been extracted from TNA Report - Mitigation for Vietnam. You can access the complete report from the TNA project website http://tech-action.org/