

SolarGrid Energy Solutions

Norway s new energy storage power station



Overview

Norsk Hydro, a Norwegian aluminum and renewable energy company, is planning a 84 GWh pumped storage project in Luster Municipality, Norway. Will Norway's largest pumped storage power plant improve energy supply?

The Norwegian energy company Statkraft has contracted AFRY to conduct a feasibility study on optimising the operation of Norway's largest pumped storage power plant in Saudal. The study aims to double the plant's capacity to store surplus renewable energy, thereby enhancing consistent energy supply during peak demand periods.

Is Norsk Hydro planning a new pumped storage power plant?

In April 2020, the Norwegian Ministry of Energy granted Norsk Hydro a concession to develop the Illvatn pumped storage power plant. An application for a plan change is being processed by the Norwegian Water Resources and Energy Directorate (NVE).

Will Norsk Hydro build a 84 GWh pumped storage project?

(Photo: Narrativ/Hydro) Norsk Hydro, a Norwegian aluminum and renewable energy company, is planning a 84 GWh pumped storage project in Luster Municipality, Norway. The Illvatn project, with an estimated price tag of NOK1.2 billion (US\$113 million), is expected to begin construction in 2025, targeting 2028 or 2029 for full operation.

Will Norsk Hydro build Yane power plant?

Norsk Hydro is working to mature hydropower projects at several locations. In addition to the Illvatn project, Norsk Hydro was also granted a concession to build the Øyane power plant in the same watercourse. The company noted that the profitability of the Øyane project is more challenging, and it is currently evaluating its viability.

What projects are under development in Norway?

Another project under development in Norway is a new power plant at Torolmen, in the Årdal municipality, with an estimated annual production of around 30 GWh. The total investment for this project could reach NOK290 million (US\$27.4 million), with potential construction starting as early as 2027.

Is Yane a viable project in Norway?

The company noted that the profitability of the Øyane project is more challenging, and it is currently evaluating its viability. Another project under development in Norway is a new power plant at Torolmen, in the Årdal municipality, with an estimated annual production of around 30 GWh.

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Norway s New Energy Storage

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Hydro to build pumped storage power plant in ...

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