SMHI’S HYDRO GWh FORECASTS ON MONTEL ONLINE PLATFORM

Trading in the energy market calls for in-depth knowledge of water availability and meteorological situation. Assessments of hydropower production are supported by delivery of hydrological information including forecasts expressed in energy terms, GWh.

Figure from EQ?

**HYDROLOGICAL INFORMATION GIVES YOU THE EDGE**

We offer a thorough hydrological package covering Inflow, Effective precipitation, Snowpack, Soil water and Hydrological balance. The results are based on SMHI’s hydrological model HYPE adapted to suit hydropower production calculations. On a daily basis, the model runs and provides forecasts that are showed in the most relevant form; Gwh. Simulations and forecasts are visualized on Energy Quantified (EQ), the online platform by Montel. Incoming data are supervised and analyzed by hydrologists with experience in the energy market. The Gwh model runs operationally for Sweden, Norway, Italy, France, Germany, Austria and Finland but our work is in continuous development to cover all European countries.

**WHAT ARE THE BENEFITS?**

* Awareness of current and 10-day ahead hydrological conditions
* The ability to take advantage of the hydrological situation.
* The ability to react swiftly.
* Forecasts expressed in GWh.
* Daily updates.

**PRODUCT EXAMPLE SMHI HYDRO**

**10 Day Outlook**: The high south-east of Sweden is dominating with dry weather. It will however slowly move to the east and be followed by lows from the south-west end of the week and beginning of next week, brining wet/unsettled weather. Later on a new high east of Sweden may affect. In the watershed a 10-day total of 10-20 mm, in the southern half possibly up till 30 mm.

**Snow and soil water:** Both snow and soil hold almost constant on level of 13-14 TWh the next coming days. From the weekend both they will increase: to 15 TWh on Sunday and to 15-16 TWh next week. The values are somewhat above the normal.

**Inflow:** Also constant the next coming days and on a level of 160-165 GWh. On Friday increasing, reaching 200-210 GWh on Saturday and further 260-280 GW on Sunday and the first half of next week, what is well above the normal.

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