

Energy source

Hydropower

**Renewable energy
certificate**

Storebrand Facilities AS

is powered with 3 400 MWh of renewable energy from
Klosterfoss Hydropower Plant, Norway.

Becour confirms that the documented renewable origin of electricity consumption has a
single claim to renewable energy.

Hans P. Kildal

Hans Petter Kildal, CEO



**Annual electricity
consumption**

3400 MWh

Valid through

2025



Klosterfoss



Klosterfoss Power Plant is a hydropower facility located in the Skiensvassdraget, within Skien municipality, Telemark County.

About Klosterfoss Powerplant

The plant was commissioned in 1969 and utilizes a fall height of 5 meters in the river. It is owned by Akershus Energi through the company Skien Kraftproduksjon AS and is situated at Klosterfossen, where the fall occurs between the Farelva and Skienselva rivers.

The facility is equipped with two Kaplan turbines, providing a total installed capacity of 13 MW. With an average annual production of 76 GWh, Klosterfoss Power Plant

generates sufficient electricity to supply approximately 3,800 households. The water used by the plant is sourced from the Hjartdalsvassdraget, Sundsbarm, and Tokke-Vinje, with a drainage area covering 10,300 km², the same as the Skotfoss Power Plant. The dam is a sluice dam regulated by two flap gates and has a total storage capacity of 4,242 million m³, with an annual average inflow of 1,541 million m³.

Yearly production

76 GWh

Owner

Akershus Energi

Year built

1969

Location

Skien, Norway



Environmental and Nature Initiatives at Klosterfoss

New Digital Fish Counter at Klosterfoss

The new digital fish counter at Klosterfoss provides valuable insights into fish migration in the Skiensvassdraget watercourse. The counter tracks various details such as the number of fish, species, size, migration periods, and factors influencing fish movement, such as water flow, temperature, and more. This data is essential for making decisions about

effective and cost-efficient measures to improve fish migration.

The installation of the fish counter is part of the licensing conditions for Klosterfoss Hydroelectric Plant.

Collaboration with Grenland Sportsfishermen

Grenland Sportsfishermen have been a key partner for many years in efforts to improve fish migration at Klosterfoss and Skotfoss. They assist in analyzing, categorizing, and storing the images captured by the fish counter.

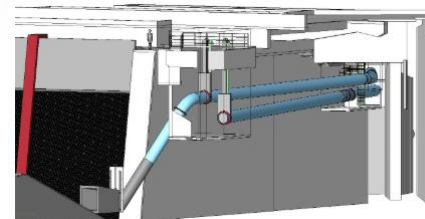
Klosterfoss Hydroelectric Plant is located at the lower end of the Skiensvassdraget watercourse, where salmon migrate from the fjord up to Hjellevannet, passing through fish ladders at both Klosterfoss and Møllefossen. The height difference is approximately 5 meters.

Dedicated Waterways for Eel and Smolt

In 2019, two new pipes were built at Klosterfoss to improve fish passage – one for smolt (salmon ready to migrate) and one for eel. This initiative is part of new licensing requirements after turbine upgrades. The project aims to enhance fish migration and will be closely monitored.



Imaged: Migration, Riverwatcher Daily



Imaged: Eel and smolt get their own waterway past the powerplant, Akershus Energi