



Hydropower is serving society, the economy and the environment

1

Benefits for People

Many hydropower plants and their associated reservoirs provide drinking water and create picturesque landscapes that promote tourism. They also offer opportunities for recreational activities like swimming, sailing and surfing.

Benefits for Industry

water for various
industrial processes
including manufacturing,
cooling, and processing.
In addition, with
hydropower, river
discharges can be
adapted to ensure
navigable water ways.
This can reduce the
reliance on road transport,
leading to cost savings
and reduced carbon
emissions.

Benefits for Agriculture

agricultural activities by supplying water for irrigation.
Controlled releases from reservoirs can ensure crop yield and thereby provide greater food security.

Hydropower supports

Benefits for Environment

The hydropower sector's endeavors to both mitigate its environmental impact and adopt measures to improve biodiversity have resulted in **creation** of habitats for endangered flora and fauna, which in some cases even become nature reserves. For examples, have a look at Eurelectric's Power Plant and <u>2nd Hydropower</u> Short Story.

Mitigation of extremes

Hydropower supports flood and drought mitigation by strategically managing water releases to safeguard society, industry and ecosystems.
Furthermore, during wildfires, hydropower creates a water source for firefighting efforts.



Aguieira - Portugal 336 MW | 190 GWh



Serre Ponçon - France



380 MW | 650 GWh

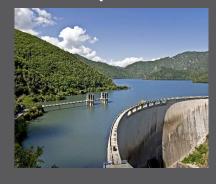


Water supply for households and industry

Freudenau - Austria 172 MW | 1100 GWh



Susqueda - Spain 86 MW | 140 GWh



Flood and drought protection



Recreational activities

Roßhaupten-Germany 49 MW | 80 GWh



Tokke Cascade - Norway 1017 MW | 4400 GWh



Schluchsee - Germany 480 MW | 520 GWh



Zlatoličje - Slovenia 136 MW | 580 GWh



Water supply for agriculture



Water supply for firefighting



Water management for navigation

5 Key Actions to harness Hydropower's Potential



4

Promote hydropower as a key contributor to the EU's decarbonisation objectives, facilitating large-scale, sustainable, and flexible renewable electricity generation and storage.



Acknowledge the sector's commitment to minimising environmental impact through habitat preservation, restoration, and river continuity enhancement.

