

PCI 2.21: Hydro-pumped storage in Yadenitsa

TYPE OF PROJECT

Extension of pumped-storage hydropower plant – The project aims to increase the volume of the lower reservoir of the “Chaira” PSHPP through the construction of Yadenitsa Dam and a reversible pressure tunnel to connect it to the Chaira Reservoir



LOCATION

Pazardzhik Province, Southern Bulgaria

PROJECT STATUS

- Included under No. 1003 in the TYNDP 2024 and TYNDP 2026 of ENTSO-E
- Approved on 01.12.2025 by the European Commission for inclusion in the EU PCI list 2025
- Designated as a site of national importance, pursuant to Decision No. 708/30.08.2012 by the Council of Ministers.

TECHNICAL SPECIFICATIONS

Installation of new storage capacity

- Increase of the usable storage capacity of the lower reservoir by 9 million m³, reaching 13.4 million m³

Reversible Pressure Tunnel

- Internal diameter: D = 7 m; Length: ~6,750 m
- Planned commissioning year: 2032

Project phase: Design and permitting

Contact us: For additional information and documents regarding the project or to provide feedback as part of our public consultations: nek@nek.bg

