

# YESIL Hydroelectric Power Plant

## Hydro Power Project

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| **Project Name** | YESIL HYDROELECTRIC POWER PLANT (HEPP) |
| **Standard Utilised** | VCS |
| **VCS Project Number** | 806 |
| **Crediting Period Start** | 05 Dec 2009 |
| **Project Validator** | Bureau Veritas Certification |
| **Est. Annual Reductions** | 27,000t$CO_2$e |

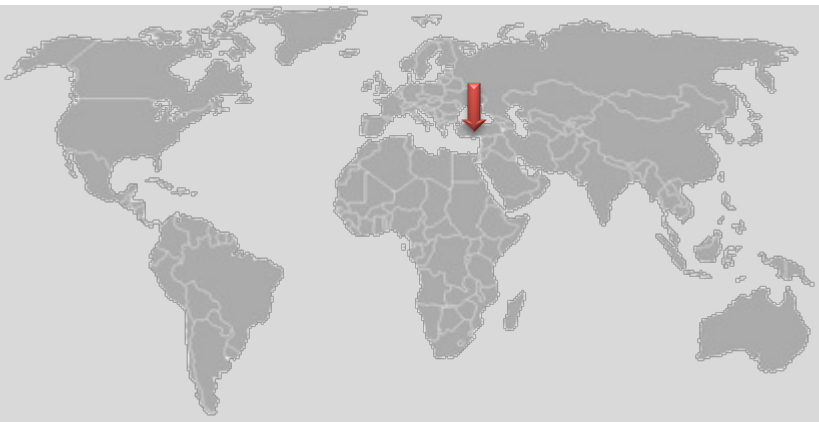
VCS | VERIFIED CARBON STANDARD
A Global Benchmark for Carbon

## Location

Sivas province

Turkey






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# Project Description

**The YESİL Hydro Electric Power Plant (HEPP) is a grid-connected small-scale hydropower plant with a run-of-river reservoir in Sivas province, Turkey. The total installed capacity of the Project is 14 MW, comprising three 4.666 MW turbines, with a predicted electricity supply to the grid of 56.16 GWh per annum.**

The project is composed of a regulator, conveyance channel, headpool and a powerhouse. The regulator consists of water inlet structure, sediment pool, hard-filled weir and gravel passage. Water will be diverted at the regulator from 1,431 meters of altitude via the conveyance channel of 8,000 m and channelled into the headpool at the 1,426 m. Through penstocks of 840 m (total), the water will be carried to the powerhouse where two vertical type of Francis turbines lie.

# Social and Sustainability Benefits

The project is contributing to sustainable development:



- Utilize the hydroelectric potential of Turkey to meet the increasing electricity demand and contribute improving regional energy security.
- Increase share of HEPPs in electricity generation mix of Turkey and reduce GHG emissions.
- Contribute to economic development by creating job opportunities during construction (72 people) and operation (13 people) phases.
- Reduce import dependency on fossil fuel weighed electricity sector and diversify generation mix through use of local resources.

**Contact our team to discuss your offsetting requirements, and to ensure you find the project that meets all your own particular carbon neutrality needs**



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