



## Gölova and Sevindik run-of-river hydro, Turkey

Run-of-river hydropower is a form of energy that is generated by the conversion of free-falling water into electricity. This project generates electricity from a hydropower station to meet the ever-increasing energy demand and to contribute the sustainability of electricity generation of the Turkish National Grid.

### Location



The project is located in Anatolian Province, central Turkey. The Central Anatolian Province is mainly covered with steppes. During spring rains the water from mountains and hills flows into rivers and dams. The water for the hydro plants comes from the irrigation canals of the Gölova Dam that eventually leads to the Black Sea.

### Project



This run-of-river hydropower with reservoir uses three turbines with an annual average of 38 GWh to generate clean energy from the Gölova Dam.

The project increased energy and decreased load-shedding and benefitting several nearby poor villages with funding provided for expansions to local houses, education, health and public facilities.



The irrigation canal feeding the Sevindik hydropower station was rehabilitated after damage from landslides and landfalls. As confirmed by the local Water Resource Bureau, there is no negative impact by the hydro plants on water consumption or irrigation.

### Checklist Project 301 709

✓ Additionality and permanence:	according to the rules of the VCS
✓ 3 <sup>rd</sup> party verified::	by TÜV SÜD
✓ Transparency:	provided by APX Registry
✓ Annual CO <sub>2</sub> -reduction:	3,000 tCO <sub>2</sub> e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	pictures available

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