

## Potential hydropower resources of the river Enguri

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One of the most significant challenge for Georgia is energy independence. Georgia has a great potential of hydro energy in terms of energy sources. Since 20th century hydropower has been one of the driving forces of the country. According to the data of July 2018, the total capacity of generation of Georgia amounts 4170 MW. 77.4% of electricity generated in the country comes from hydropower. Construction of small hydroelectric stations (5 MW) has significantly increased in Georgia in the last decade. The river Enguri is distinguished by the great potential of hydroelectric station building. Because of the Great flow and fall of water here is the highest in Georgia in the longest km-s, That's why this region is causing great interest and considered constructing powerful hydroelectric stations. Hydrological bases of existing and planned hydroelectric station is discussed in this Work, Peculiarities of Georgia's hydraulergic balance and the perspectives of the use of river potential resources, As well as the changes in the river water regime by contemplating today's problems.