

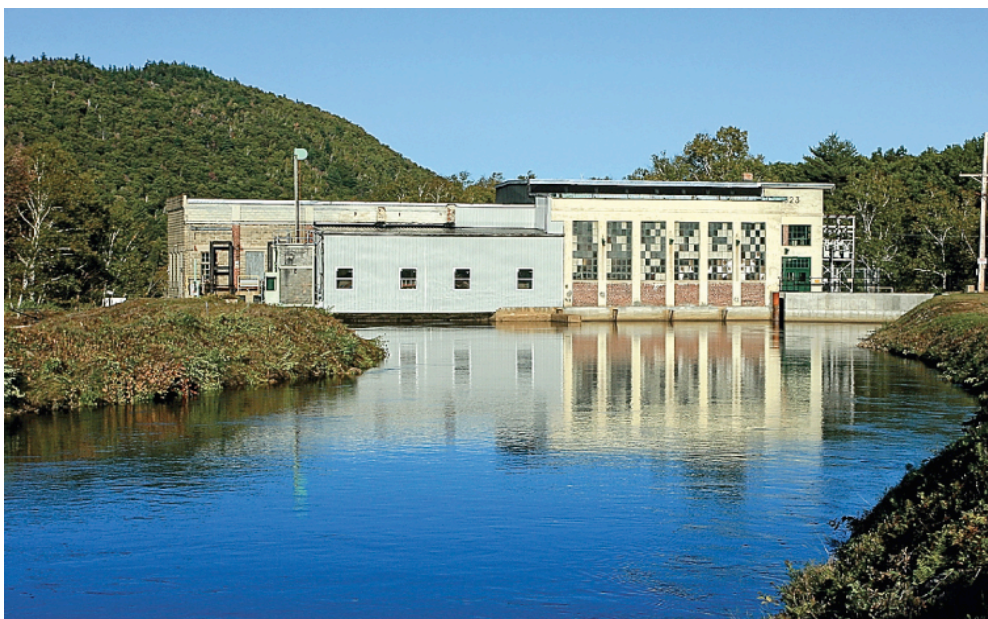
GEEP Project – Small Hydro Power Plant Rehabilitation

Country saves around 7 GWh/year from avoided electricity import

New hydro-power units make savings for Company and Country

Renewable hydro resources for power generation are the basic component of the country's energy strategy. Georgia has a potential to produce about 15 GW energy from hydro resources.

The proposed project includes rehabilitation of almost the complete water supply and electro-mechanical systems of two units with total power of 5MW. Improvements on the water supply and elimination of losses together with replacement of hydro turbine and power generator, gives company possibility to increase annual electricity output from 6 GWh up to 13 GWh. The results will help the company to improve its financial position and saves the country around 7 GWh imported electricity. Reduced dependence on imported energy is the way to energy security and economic development.



The Company

Main activities	Electricity generation
Region	Chkhorotsku, Georgia

Project Goal and Main Investments

Project goals	<ul style="list-style-type: none"> ▪ Eliminate water losses on the water supply line and increase reliability of water supply ▪ Increase annual electricity output
Main investments	<ul style="list-style-type: none"> ▪ Rehabilitation works in the headrace channel ▪ Rehabilitation of the damaged concrete surfaces of water intake structure ▪ Rehabilitation of both hydro turbines ▪ Rehabilitation of generators ▪ Rehabilitation of the substation
Investment size	Approximately \$ 1.7 M

Expected Results

Operational results	<ul style="list-style-type: none"> ▪ Increased annual power output from 6 GWh to 13 GWh ▪ Decreased Green House Gas Emission of almost 5,200 tons of CO₂ equivalent per year ▪ Annual savings on outsourced power supply around 7 GWh/year
Investment profitability	<ul style="list-style-type: none"> ▪ Payback period of 1.3 years ▪ Over 75% IRR on the investment

For more information on how your company can receive financing for energy efficiency projects, visit www.energocredit.ge, or call +995 32 224962.

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