



Ethiopia electricity safety

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Ethiopia has the potential to generate over 60,000 megawatts (MW) of electric power from hydroelectric, wind, solar, and geothermal sources. As a result of Ethiopia's rapid GDP growth and the government plan for universal access, Ethiopia's electricity sector must rapidly expand. The Energy Utility Partnership Program has been active in Ethiopia since 2012 to assist the state owned utilities as they expand and improve their service.

Developed the Geothermal Resource Development Proclamation

EAGP supported a team of experts to work alongside the Government of Ethiopia to develop a law that governs all geothermal resource development activity in the country. The Geothermal Resources Development Proclamation (GRDP) was ratified by Parliament in 2018.

Assisted Ethiopia Electric Power in Submitting a Geothermal Risk Mitigation Facility Grant Proposal for the Alalobeda Geothermal Development worth \$7.7 million USD

EAGP provided a team of expert consultants to assist EEP in developing and submitting a grant proposal to the African Union Commission for a Geothermal Risk Mitigation Facility (GRMF) grant. The grant, once fully awarded, would provide EEP with over \$7 million in funding for drilling at the Alalobeda field in the Afar Region of Ethiopia.

The Government of Ethiopia (GoE) is aggressively working to develop their nation's 7,000 MW geothermal resources. GoE has set a target generating capacity of 2,500 MW from geothermal resources by 2030. In order to support the GoE's objectives, the United States Government (USG), through Power Africa, is collaborating with both the private and public sector and other development finance institutions (DFIs) to accelerate the development of Ethiopia's geothermal resources.

The East African Geothermal Partnership (EAGP) has been working in Ethiopia since 2014 to promote the development of geothermal resources and increase private sector investment in the geothermal sector. EAGP provides capacity building and technical assistance as well as training to Ethiopian agencies involved in geothermal development including the Ethiopian Energy Authority (EEA), Ethiopian Electric Power (EEP) and Geological Survey of Ethiopia.

EAGP's core objectives in Ethiopia include:

Ethiopia achieved the following results through this program:

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Developed a Relational Geothermal Database

EAGP collaborated with three agencies in Ethiopia that each work with geothermal data including the Ethiopian Energy Authority (EEA), Ethiopian Electric Power (EEP), the Geological Survey of Ethiopia. A team of geothermal data experts led remote and in-person trainings to establish international standards in data management principles and practices, standardize these practices across all three agencies, collect and clean all geothermal data within the agencies, and work with the long-term goal of establishing a relational database to host all geothermal data from Ethiopia.

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