

# KivuWatt Power Station

**KivuWatt Power Station** is a 26 MW (35,000 hp) methane gas-fired thermal power plant in Rwanda.<sup>[2]</sup>

## Location

The power plant is located in Kibuye, Karongi District, in the Western Province of Rwanda, approximately 130 kilometres (81 mi), by road, west of Kigali, the capital and largest city in the country.<sup>[3]</sup>

## Overview

KivuWatt project will extract methane from the waters of Lake Kivu and use the gas to generate electricity. The generated power will be purchased by Rwanda Energy Group (REG), the Rwandan electricity utility.

The \$200 million project, owned by ContourGlobal and executed in cooperation with Wärtsilä, is expected to add 26MW of generating capacity in its first phase (ongoing now) and eventually scale up to 100MW in the coming years. In a developed country, the current 25MW would provide enough energy for 45,000 people.<sup>[4]</sup>

Phase 1 of the project, with capacity of 25MW, was expected to start commercial operation in 2012. Phase 2 of the project, with additional capacity of 75 MW, is expected to start construction six months after the commissioning of Phase 1. The project is being developed by KivuWatt Limited, a subsidiary of ContourGlobal, under a concession agreement made with the Government of Rwanda in 2009.<sup>[5]</sup> KivuWatt Limited plans to extract some of the estimated 60 billion cubic meters of methane gas trapped under Lake Kivu and convert that gas into electricity, something that has not been done on a large commercial scale before.<sup>[6]</sup> Construction concluded in November 2015 and the power station was under testing and calibration from November 2015<sup>[7]</sup> until commissioning in June 2016.

The KivuWatt power plant was inaugurated by Rwanda's president Paul Kagame on 16 May 2016.<sup>[8]</sup>

## See also

- Rwanda Power Stations
- Africa Power Stations
- Rwanda Economy
- Energy in Rwanda
- Karongi District
- Western Rwanda

### Kivuwatt Power Station

<b>Country</b>	<u>Rwanda</u>
<b>Location</b>	<u>Kibuye</u>
<b>Coordinates</b>	<u>2°04′05″S 29°19′11″E</u>
<b>Status</b>	Operational
<b>Commission date</b>	17 May 2016 <sup>[1]</sup>
<b>Owner</b>	KivuWatt Limited
<b>Thermal power station</b>	
<b>Primary fuel</b>	<u>Methane</u>
<b>Power generation</b>	
<b>Nameplate capacity</b>	26 MW (35,000 hp)

# References

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# External links

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- Rwanda harnesses lake "demons" to power the economy (<https://www.theeastafrican.co.ke/business/Rwanda-Lake-Kivu-methane-gas-electricity/-/2560/3276106/-/item/1/-/9mxhw5z/-/index.html>) Archived (<https://web.archive.org/web/20160815135617/http://www.theeastafrican.co.ke/business/Rwanda-Lake-Kivu-methane-gas-electricity/-/2560/3276106/-/item/1/-/9mxhw5z/-/index.html>) 2016-08-15 at the Wayback Machine
- KivuWatt Power Project, Rwanda ([http://endeavor-energy.com/case\\_studies/kivuwatt-power-project-rwanda/](http://endeavor-energy.com/case_studies/kivuwatt-power-project-rwanda/)) Archived ([https://web.archive.org/web/20190915140334/http://endeavor-energy.com/case\\_studies/kivuwatt-power-project-rwanda/](https://web.archive.org/web/20190915140334/http://endeavor-energy.com/case_studies/kivuwatt-power-project-rwanda/)) 2019-09-15 at the Wayback Machine
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