

The project activity will promote sustainable development through the following activities:

1. Utilize and develop the geothermal resource in the area to supply clean and sustainable energy to the Luzon-Visayas grid;
2. Reduce the country's reliance on imported fuel;
3. Create job opportunities during the project construction and operation periods;
4. Contribute to energy self-sufficiency and the global objective of reducing GHG emissions

A.2. Location of project activity

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Host Party	: Republic of the Philippines
Region/state/province	: Laguna and Batangas Provinces, Southern Luzon
City/town/community	: Mainly centered within the Municipality of Santo Tomas (Batangas)

The Project is located within the Maibarara Geothermal Field, a 2.5 km² geothermal resource block in Southern Luzon, Philippines (Figure 2) straddling the boundaries of Laguna and Batangas Provinces (Figure 3). This area, previously identified and explored by Philippine Geothermal Inc. and now known as the Philippine Geothermal Production Company (PGPC), is host to a geothermal resource for power generation¹. Exploratory drilling conducted by PGI delineated a productive area of at least 2.5 km² that has an estimated power capacity of 300 MW-years. The updated volumetric stored heat estimates in 2015 quantified that the resource has minimum or Proven Reserve of 40.2 MW and a Most Likely Reserve of 61.6 MW².

The Project lies on the northwestern slope of Mt. Makiling in Laguna and Batangas, a strato-volcano with a summit elevation of 1,090 meters above sea level (masl), roughly 50 km southeast of Metro Manila. Travel time from Manila to the project site takes less than 2 hours. The proposed site for the power plant is given by the following GPS coordinates: 14.138761 N and 121.164739 E (WGS 84 datum).

¹ Delfin, Jr., F.G. 2009. The Maibarara Geothermal field: geologic setting, exploration history, and resource potential. A Geothermal Service Contract Application at Maibarara, Laguna with the Department of Energy (DOE) submitted for PetroEnergy Resources Corporation, 23 pages.

² [Geothermal Science, Inc. 04 September 2015 Third Party Validation of Reserves: Maibarara Geothermal Resource. Report submitted to Maibarara Geothermal, Inc., 44 pages.](#)