



# Thimphu australia solar power

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The Bhutan Foundation's renewable energy program is designed to facilitate equitable socio economic development, through improving access to reliable energy sources for remote communities in Bhutan. Recognizing the considerable demand for electricity in these remote areas, the program seeks to harness Bhutan's renewable resources, particularly high solar irradiation. While some remote communities still remain unconnected to the reliable source of electricity due to geographical isolation or ecological sensitivity of the areas, our objective is to deliver sustainable energy solutions that are sensitive to these constraints.

One notable initiative of this program is the establishment of a decentralized distributed Generation solar PV system in the community of Aja Ney, situated within the core zone of the Bumdeling Wildlife Sanctuary. This region, despite its cultural and ecological importance, was previously off-grid and highly vulnerable to the impacts of climate change.

The project in Aja Ney includes two decentralized distributed generation solar power plants. The first, a 25 kW plant, serves 14 households, a guest house and a medicinal hot stone bath facility, and the Pema Yangdzong monastery. The second, a 5 kW plant, serves an additional five homes and the local Dungkarchoeling temple. Despite the challenges in transporting necessary equipment due to the location's remoteness, these solar plants are substantially improving the living conditions of the local population. They provide residents with access to modern amenities and reduce their reliance on traditional energy sources such as firewood. In doing so, they also bring significant environmental benefits by reducing deforestation and promoting biodiversity conservation.

In brief, the Bhutan Foundation's alternative energy program represents a significant stride toward sustainable and equitable development, combining the preservation of cultural and natural heritage with modern, eco-friendly energy solutions.

Agencies have installed 1.72 megawatts of solar power systems, not including the ongoing Sephu solar plant project.

Bhutan has three operational grid-tied solar plants at Rubesa, Thimphu Centenary Farmers' Market and Dechencholing.

You can play a vital role in supporting our efforts to electrify the Lunana community, located in the northern part of Bhutan, nestled among the glaciers. We are seeking funding for the installation of a decentralized solar PV system with a capacity exceeding 650 kW. By contributing to this project, you can help bring clean and sustainable energy to the residents of Lunana, improving their quality of life and promoting environmental conservation.



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Your donation will be going towards Alternative Energy Program

Mail a Check: 1050 Connecticut Ave. NW #66013 Washington, DC 20035

There are several ways to make a bequest to the Bhutan Foundation through your will or other estate plan: a residual bequest, a percentage bequest, a specific bequest, or a contingent bequest. Whichever type of bequest you choose, please use the following language: "I give, devise, and bequeath to the Bhutan Foundation, Inc. ("Foundation") (EIN: 13-3376290), an Internal Revenue Code section 501(c)(3) organization organized in the State of Delaware, or its lawful successor, the sum of \$ \_\_\_\_\_ [or a percentage of my estate] to be used exclusively for purposes of promoting the Foundation's charitable mission (the "Purpose")."

The Bhutan Foundation is a 501(c)(3) registered charitable organization in the United States. Your contribution is tax deductible to the extent allowed by law.

The pilot grid-tied solar project at the UN House will demonstrate solar as a reliable energy source and serve as a key driver of energy source diversification in Bhutan.

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