

Climate Protection Project Description
Sustainable Small Hydropower
Vietnam
UNFCCC/PoA registration: 6095

Project overview

Name	Sustainable Small Hydropower Programme of Activities (PoA) in Viet Nam
Project Type	Small, low-impact hydropower
Host Country	Viet Nam
Standards	CDM (UNFCCC), Gold Standard
Project Developers	Vietnam PoA Carbon Management Joint Stock Company; South Pole Carbon Asset Management Ltd.
Certifier	Carbon Check India Pvt. Ltd.
Project Duration	08/20/2019 bis 08/19/2026
Total CO ₂ e Savings	530,999 t CO ₂ e over the first 7 years
Annual CO ₂ e Savings	75,857 t CO ₂ e

For more information on this carbon offset project, please visit the CDM project database ([project number 6095](#)) or the GSF registry for information on Gold Standard registration ([ID 1354](#)).

Project Description

The country of Viet Nam lies on the eastern edge of the Indochinese Peninsula, nestled along the South China Sea. With its elongated shape covering a wide range of latitudes, Viet Nam encompasses multiple climatic zones, from the temperate and drier North to the tropical rainforests and savannahs in its central and southern parts. Due to this wide range of habitats, the country’s level of biodiversity is uniquely high, holding approximately 16% of the world’s species. As the third largest nation in the region, Viet Nam is also an increasingly important global player in the agriculture and tourism industries.

However, due to a rapidly increasing demand but insufficient supply, Viet Nam has suffered a critical

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electricity shortage in recent years. This has had not only negative impacts on economic growth but also on the daily lives of its inhabitants. The “Sustainable Small Hydropower Program of Activities (POA) Viet Nam” sets out to support independent power producers in establishing decentralized hydropower plants that contribute directly towards balancing the supply and demand gap. By exporting electricity directly to the national grid, projects supported by this PoA will help to reduce electricity losses across the national grid and lessen the risks of cascading national grid collapses due to overload and a lack of diversification. Moreover, by helping to further realize Viet Nam’s great potential for hydropower, the PoA will introduce new renewable electricity sources into an electricity mix currently dominated by fossil fuels (coal and natural gas) and potentially lower air pollution levels.

The “Sustainable Small Hydropower PoA” consists of multiple independent projects. Each project represents one or more small-scale hydropower plants with modern turbines and generators and an installed capacity of up to 30MW. The third-party project developers may use different hydropower technologies to convert kinetic energy of water to generate electricity, which may include barrages, diversion tunnels, fore bays, spillways, pressure pipes, powerhouses, and booster stations. To ensure maximum stakeholder involvement, all projects part of this PoA are developed according to the Gold Standard requirements and will include significant public education and consultation components. In this way the proposed PoA will promote the development of renewable energy and facilitate the abatement of greenhouse gas emissions through replacement of fossil-fuel based electricity.

The Viet Nam Small Hydro PoA is a voluntary action coordinated and managed by Vietnam PoA Carbon Management Joint Stock Company and validated by Carbon Check India Pvt. Ltd. Its registration under the Gold Standard and according to the CDM ensures that all relevant indicators of the program's contribution to sustainable development are monitored and guaranteed throughout its life. As of November 2022, two hydro power projects have been realized and certified under the Gold Standard, these being the Ta Trach Hydropower Project and the Thoong Cot 2 Hydropower Project with a yearly emissions reduction rate of 62,455 tCO₂e and 13,402 tCO₂e respectively.

Fotos

