

Non Technical Summary of the project “Clean Energy One Biomass Power Plant Project”
(Clean Energy Thapsakae Limited)

The project is implemented by Clean Energy Thapsakae Limited and consists in the construction and operation of a biomass power plant in order to feed the electricity to the PEA’s grid (Provincial Electricity Authority). The project is located at Tambon Huay Yang, Amphur Tabsakae, Prachuapkhirikhan province.

The objective of the project is to generate electricity through sustainable means, using biomass residues instead of the traditional fossil fuels (such as coal, lignite, gas and oil) without impacting negatively on the environment. The main biomass fuels for the project are coconut residue and coconut fraud. In the past, such biomass has been left to decay, which caused impacts to the air quality and climate change.

As a consequence, the company wants to develop this project as a CDM project in which the United Nations provide financial supports in accordance to the emissions of carbon credits (CERs). The company also puts importance on benefits for the surrounding communities; therefore, it intends to develop the project at the Gold Standard, which is a standard emphasizing on sustainable development of environment and communities, income generation and reducing dependency of fuel import.

The project can contribute to sustainable development:

- Social benefits: through the use of agricultural waste, the project generates additional income for local communities for collecting, processing and supplying the biomass. The additional employment will also create income as well as skills for people.
- Economic well-being: fossil fuel requirements of the country can be reduced.
- Environmental well-being: by displacing fossil-fuel electricity from the grid, the project will achieve Green house gas emission reductions and thus participate to the mitigation of climate change.