

The Project contributes to sustainable development of Thailand in the following ways:

- Improvement of local air quality. Apart from the reduction in GHGs, the Project will improve the environmental performance of TPO's palm oil mill by reducing the Chemical Oxygen Demand (COD) load of effluent entering the open lagoons. Organic effluent treated in open lagoons not only emits a large amount of methane, a flammable gas, but also produces a strong pungent stench. By using the captured methane for energy generation and reducing fossil fuel consumption, the Project will also reduce emissions associated with the burning of fossil fuels.
- Reduction in reliance of fossil fuels. The project activity will continue to the reduction in the general reliance on fossil fuels. As the Project will displace grid electricity, this will also lead to the reduction in the consumption of fossil fuel within the grid. While the Project itself is a small one, it is nevertheless significant in that the replication of such projects nation-wide will amount to a large reduction in the long term.