



The main objective of this project is to switch steam production at a citrus farm from coal to biomass. Thereby, a major employer in the Northern part of South Africa puts its business on an environmentally and economically sustainable basis, and health hazards due to coal particles are reduced.

At present the citrus farm uses 10,700 tons of coal per annum to generate 60,000 tons of steam onsite. Vast forests and sawmills surround the farm. The forest industry leads to huge quantities of sawdust and offcut wood available within a 20km radius. The project will replace the present boiler with a biomass boiler from Thermax, a company based in India and one of the world's largest boiler producers. It will use the sawdust and waste wood from the area to fire the boiler. 18'000 tons of biomass will be burnt annually.

In addition, the project will remove the health hazard and dirt presently caused by coal particles. Sawdust will no longer ferment in the heat and the air for farm workers will be cleaner. The use of forest waste wood will result in employment for the local population, as several currently unemployed people will be employed to gather waste wood in the surrounding forests. In addition, several people will be employed during the four-month construction / rehabilitation of the system. In addition, the sawdust and waste wood also has to be transported from the forest to the farm, which will create further long-term employment opportunities.

<b>Type:</b>	VER Project (in Gold Standard validation by DNV)
<b>Location:</b>	Northern Province, South Africa
<b>Project Type &amp; Activities:</b>	Fuel switching from coal to biomass
<b>Baseline:</b>	Coal
<b>Project Volume:</b>	16,000 tonnes of CO <sub>2</sub> equivalent per annum
<b>Implementation Date:</b>	2008
<b>Crediting Period:</b>	2 x 7 years