11,947

SAVED EMISSIONS
TONS CO2 EQ /YEAR

Methane Recovery Project Princepeel Wilbertoord, North Brabant, The Netherlands

Netherlands

FOKUS ZUKUNFT

PROJECT-ID: 337 FZ-ID: 2166

Methane Recovery Project Princepeel Wilbertoord, North Brabant, The Netherlands

Use of pig manure in a biogas plant

Farms have shaped the landscape and way of life in the Dutch provinces of Limburg and North Brabant for several hundred years, a predominantly rural region in which pig farming still plays an important role.

This concentration of livestock has already meant that all manure can no longer be spread on the region's fields due to the nitrogen uptake limit reached by the soil, and must be transported to regions with soils that still have a need for fertilizer. The main objective of the project activity is the technical production of biogas from pig manure, which would otherwise release uncontrolled methane emissions into the atmosphere during its storage.

The biogas is used to generate kinetic energy that replaces diesel oil for the operation of irrigation pumps with internal combustion engines, which have been converted to use biogas.

For more information please click here.

Overview of the project data:

11,947
SAVED EMISSIONS
TONS CO2 EQ /YEAR

119,469
SAVED EMISSIONS
TONS CO2 EQ TOTAL

TÜV Rheinland
VALIDATOR

CERTIFICATE STANDARD

Verified Carbon Standard
A VERRA STANDARD

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The project contributes to the following sustainability goals:

Affordable and clean energy:
The excess amount of pig manure is used to generate heat and electricity through energy recovery in a biogas plant, which can be used directly on the farm.

Climate action:
The operation of the project avoids the use of fossil fuels and thus saves around 11,947 t CO_2e.

Life on Land:
Environmental impacts such as greenhouse gas emissions, odor nuisance, and water/soil pollution (including seepage, runoff, and excessive application) resulting from manure storage and application are eminent in the case of traditional outdoor manure storage and unprocessed application to fields. The project activity will greatly reduce these impacts.

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Source of the project image: https://pixabay.com/de/photos/biogas-beh%c3%a4lter-faulen-erdgas-2919235/