

A breath of fresh air - Netherlands

SUMMARY

Project description:

Programme to involve guest in the realisation of an investment in wind energy

Project type: Wind, Education in Sustainability

National association: Stayokay

Project location: In all the Stayokay hostels in The Netherlands

Estimation of number of reduced tonnes of CO₂:

Our CO₂ emission on energy usage will reduce by 1,168 tonnes. In total it will reduce our CO₂ emission by 23%.

Total funds request: £ 1.500

Total project cost: £ 8.775

Annual £ saves and ROI (return of investment): £ 6.575

Why this project should be funded ahead of others:

By investing a relatively small amount of money we will be able to get renewable energy and reduce our CO₂ impact by 23%.



DETAILED PROJECT INFORMATION

Background:

Stayokay runs its hostels in an environmentally friendly way, e.g. waste is sorted, energy comes from renewable resources, printed materials are recyclable, and uniforms are 'fair wear'. **All 24 Stayokay hostels meet the requirements of the European Ecolabel.** This is the number one label for environmentally friendly products and services in Europe. We ask our guests to contribute as well by switching off lights and turning off the heating whenever they leave their rooms, but also to sort their waste. Stayokay also provides environmentally friendly packages and educational programmes for groups.

All these initiatives are collected under the title **'Well done!'**

Breath of fresh air:

The Netherlands is famous for its windmills. But also the more modern wind turbines that produce electricity by means of an inexhaustible source of energy, namely wind. A windmill produces annually about 6.6 million kWh. Stayokay consumes annually about **3.5 million kWh**. Every two years Stayokay will use the proceeds of one windmill. Why should we not use this fresh air?



Guests can help us:

By developing an extra tool on our website guests can offset the CO2 emissions of their stay. When making a reservation guests can pay a voluntary fee of £0,15 per overnight and offset the CO2 emissions of their stay. The total amount obtained from the voluntary fee will be invested in wind energy. By using green energy, we reduce our impact on the natural resources of the earth and our CO2 emissions by 23%.

Contribution to emission reduction:

By investing in wind energy our CO2 emissions will reduce. CO2 emission from energy normally is 0,495 grams / per kWh. By using wind energy the CO2 emission is only 0,15 grams / per kWh. By investing in buying wind energy, based on the total energy usage (Oct 2013 until Sept.2014), our CO2 emission will reduce with 23%.

	CO2 emission without wind energy	CO2 emission based on using wind energy
Water	29.711	29.711
Gas	1.796.704	1.796.704
Waste	1.266.332	1.266.332
Mobility	250.110	250.110
Energy	1.724.015	555.655
Total CO₂ emission	5.066.872	3.898.512

* To calculate the CO2 footprint of Stayokay we processed the following information; electricity usage, gas usage, water consumption, waste and commuting employees. The average emission per night is 5.91 kg of CO2.

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