

Project Carbon Offset Report – a Canon MR 1.5T scanner

Total footprint offset: 226.78

Projects supported: Kenyan Improved Stove Project and Ugandan Borehole Project

Canon Medical Systems is working with CO2balance UK to offset the carbon footprint of their medical products to make them 'carbon zero'. The following provides information on the positive impacts within the communities in Africa due to this carbon offset work.

Kenyan Improved Stove Project¹



91 tonnes

of wood saved

0.28 hectares

2,352 hours

61³ Total reduced

instances of serious

illness attributable

to indoor smoke

of land protected

of working time

saved p.a.

This project builds energy-saving cooking stoves for villages in Kenya, resulting in a 50% reduction in the need for firewood and cutting carbon

emissions by up to 3 tonnes per stove – about the same footprint as an ultrasound scanner. It also provides families with a cost- and time-effective method to cook with, and has many other benefits:

- less firewood means less deforestation, which also benefits wildlife in terms of habitat and flood prevention
- it's a healthier method of cooking

35

of stoves

108

impacted

35

equivalent no.

young people

elderly people

people impacted

impacted

189

- indoor smoke, a serious problem dubbed the 'kitchen killer' by the World Health Organisation, is reduced by half
- children don't need to miss school to collect firewood

Ugandan Borehole Project²



The project is based around repairing and maintaining boreholes in North East

Uganda for seven years, supplying families with fresh clean water. As well as the natural health benefits it means that families no longer need to boil water, saving firewood and so cutting carbon emissions.

- there are over 50,000 defective water supply installations in Africa (IIED 2009)
- this is mainly due to lack of public involvement and lack of funding to support ongoing maintenance of the pumps
- this project not only brings these boreholes back into use for the community but also creates a funding mechanism for the community that ensures their long-term maintenance – and therefore long-term water security



- 1 The data from the impacts are based on the fieldwork carried out by CO2balance within the project locations in Kenya. The data that is gathered is in line with the requirements of the Gold Standard as part of the annual Monitoring Surveys. These monitoring reports are available on the Gold Standard Registry. Data is then cross-compared against national averages in Kenya to ensure accuracy. Assumptions and extrapolations have been used where relevant.
- 2 Wood saved and clean water supplied. Calculations based on field measurements conducted by staff contracted to CO2balance and conducted according to the requirements defined by the Gold Standard. Monitoring data is available on the Gold Standard registry.
- 3 The Health Data is derived from the following sources: R. Perez-Padilla et al, 2010. Respiratory health effects of indoor air pollution' in International Journal of Tuberculosis and Lung Disease, vol. 14 no. 9, pp1079-1086; Kenya National Bureau of Statistics (2008). Kenya Integrated Household Budget Survey. Ministry of Planning and National Development, pp1-300.



Project Carbon Offset Report – a Canon CT scanner

Total footprint offset: 77.46

Projects supported: Kenyan Improved Stove Project and Ugandan Borehole Project

Canon Medical Systems is working with CO2balance UK to offset the carbon footprint of their medical products to make them 'carbon zero'. The following provides information on the positive impacts within the communities in Africa due to this carbon offset work.

Kenyan Improved Stove Project¹



31 tonnes

of wood saved

0.10 hectares

of land protected

803 hours

of working time

21³ Total reduced

instances of serious

illness attributable

to indoor smoke

saved p.a.

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emissions by up to 3 tonnes per stove – about the same footprint as an ultrasound scanner. It also provides families with a cost- and time-effective method to cook with, and has many other benefits:

- less firewood means less deforestation, which also benefits wildlife in terms of habitat and flood prevention
- it's a healthier method of cooking

12

37

12

65

people

impacted

of stoves

equivalent no.

young people

elderly people

impacted

impacted

- indoor smoke, a serious problem dubbed the 'kitchen killer' by the World Health Organisation, is reduced by half
- children don't need to miss school to collect firewood





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Project Carbon Offset Report – a Canon 3T MR scanner

Total footprint offset: 306.31

Projects supported: Kenyan Improved Stove Project and Ugandan Borehole Project

Canon Medical Systems is working with CO2balance UK to offset the carbon footprint of their medical products to make them 'carbon zero'. The following provides information on the positive impacts within the communities in Africa due to this carbon offset work.

Kenyan Improved Stove Project¹



123 tonnes

0.38 hectares

3,177 hours

83[°] Total reduced

instances of serious

illness attributable to indoor smoke

of land protected

of working time

saved p.a.

of wood saved

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emissions by up to 3 tonnes per stove – about the same footprint as an ultrasound scanner. It also provides families with a cost- and time-effective method to cook with, and has many other benefits:

- less firewood means less deforestation, which also benefits wildlife in terms of habitat and flood prevention
- it's a healthier method of cooking

47

of stoves

147

impacted

47

eguivalent no.

young people

elderly people

impacted

255

people

impacted

- indoor smoke, a serious problem dubbed the 'kitchen killer' by the World Health Organisation, is reduced by half
- children don't need to miss school to collect firewood





The project is based around repairing and maintaining boreholes in North East

Uganda for seven years, supplying families with fresh clean water. As well as the natural health benefits it means that families no longer need to boil water, saving firewood and so cutting carbon emissions.

- there are over 50,000 defective water supply installations in Africa (IIED 2009)
- this is mainly due to lack of public involvement and lack of funding to support ongoing maintenance of the pumps
- this project not only brings these boreholes back into use for the community but also creates a funding mechanism for the community that ensures their long-term maintenance – and therefore long-term water security



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Canon CANON MEDICAL

Project Carbon Offset Report – a Canon ultrasound scanner

Total footprint offset: 5.47

Projects supported: Kenyan Improved Stove Project and Ugandan Borehole Project

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Kenyan Improved Stove Project¹



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- it's a healthier method of cooking
- indoor smoke, a serious problem dubbed the 'kitchen killer' by the World Health Organisation, is reduced by half
- children don't need to miss school to collect firewood



Ugandan Borehole Project²



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- there are over 50,000 defective water supply installations in Africa (IIED 2009)
- this is mainly due to lack of public involvement and lack of funding to support ongoing maintenance of the pumps
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people

impacted







3,415 litres of clean water

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Project Carbon Offset Report – a Canon XR System

Total footprint offset: 81.33

Projects supported: Kenyan Improved Stove Project and Ugandan Borehole Project

Canon Medical Systems is working with CO2balance UK to offset the carbon footprint of their medical products to make them 'carbon zero'. The following provides information on the positive impacts within the communities in Africa due to this carbon offset work.

Kenyan Improved Stove Project¹



33 tonnes

of wood saved

0.10 hectares

of land protected

843 hours

of working time

22³ Total reduced instances of serious

illness attributable

to indoor smoke

saved p.a.

This project builds energy-saving cooking stoves for villages in Kenya, resulting in a 50% reduction in the need for firewood and cutting carbon

emissions by up to 3 tonnes per stove – about the same footprint as an ultrasound scanner. It also provides families with a cost- and time-effective method to cook with, and has many other benefits:

- less firewood means less deforestation, which also benefits wildlife in terms of habitat and flood prevention
- it's a healthier method of cooking

13

39

13 elderly people

68

people

impacted

of stoves

equivalent no.

young people

impacted

impacted

- indoor smoke, a serious problem dubbed the 'kitchen killer' by the World Health Organisation, is reduced by half
- children don't need to miss school to collect firewood





The project is based around repairing and maintaining boreholes in North East

Uganda for seven years, supplying families with fresh clean water. As well as the natural health benefits it means that families no longer need to boil water, saving firewood and so cutting carbon emissions.

- there are over 50,000 defective water supply installations in Africa (IIED 2009)
- this is mainly due to lack of public involvement and lack of funding to support ongoing maintenance of the pumps
- this project not only brings these boreholes back into use for the community but also creates a funding mechanism for the community that ensures their long-term maintenance – and therefore long-term water security



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