



The path to Net Zero



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Every year, we emit 50 billion tonnes of greenhouse gases into the atmosphere. In order to avoid a climate crisis, exceeding a 1.5°C rise, we must reach net zero emissions in just 30 years.

Defining Net Zero.

The IPCC defines net zero as a state where there is no further increase in atmospheric greenhouse gas, and any residual GHGs are removed by natural or technological means.

What this means for business.

There is an expanding list of businesses pledging to become net zero by 2050 or sooner. For some, this means a robust reduction plan, and for others a completely new way of doing business. What this means for your business will depend on your industry, emissions inventory, and product or service offering.

The carbon offset.

An offset is a transferable credit that makes carbon reduction and removal an economically viable climate solution for the Global South. All the while, providing direct access for businesses that want to invest in carbon reduction where it is needed the most. Example:

1. Project to conserve rainforest area in the Amazon from deforestation.
2. Estimated to save 1000 t/CO₂ per year for 10 years.
3. 1 offset = 1 t/CO₂ saved from protecting the forest from deforestation.
4. These offsets are then sold to generate funds for the project to sustain itself.
5. The funding would go towards employment and local investment, as well as management costs.
6. 1 offset purchased is the equivalent of reducing 1 tonne of CO₂ produced by your business per year.

Verified quality.

Avon works with trusted project developers that are verified and validated through internationally recognised carbon registries. These projects are built upon methodologies that quantify real and additional greenhouse gas benefits and sustainable development goals.



**Verified Carbon
Standard**



Gold Standard
for the **Global Goals**



1. First a business must measure the scope and make-up of its carbon footprint and build an emissions inventory.
2. This is followed by a tailored carbon management plan and reduction forecast, linked to a sustainability strategy.
3. Finally, the focus moves to action and mitigation via the lens of culture, efficiency, investment, and offsetting.

Our offset portfolio.

A total of 14 projects have been selected by Avon based on quality, governance, and longevity.

Project type:

Energy

Community

Nature

UK:
3 projects

India:
1 project

Guatemala:
1 project

Brazil:
4 projects

Indonesia:
1 project

Peru:
2 projects

Ghana:
1 project

Rwanda:
1 project

Nature based projects

Nature based projects are based on restoring or growing carbon sinks such as forests.

Location: Brazil

Envira Amazonia Forest Conversation, Brazil



Fazenda Agroforestry, Brazil



Sustainable Development Goals

	Health centre and dental clinic built, improving local community health and increasing life expectancies
	Teaching courses and education and community meetings are run out of the project headquarters
	Sustainable economic enterprises for açai berry and medicinal plant sales established by the project and run by local community members
	1,259,000 tCO₂e mitigated on average annually by the project
	39,300 ha of tropical rainforests protected from deforestation
	Increased wages and job security for people working at the farm
	Training sessions on sustainable land-use and emission reduction expertise provided to staff
	Job opportunities created for local people
	23,000 tCO₂e are sequestered on average each year
	324 hectares of land planted with Eucalyptus

Project Detail

This project protects 39,300 ha of tropical forest from logging and cattle ranches. The project also fosters economic opportunities for local communities through sustainable farming and the sale of açai berries and medicinal plants.

This project transforms grassland, degraded by extensive cattle farming, into a mosaic of naturally regenerated savannah and sustainable timber plantations

Nature based projects

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Location: Brazil

Sustainable Development Goals

Project Detail

Project can be coupled with UK tree planting via our partners.

Portel-Para REDD+, Brazil



150 cooking stoves distributed

Women living standards

256,097 tCO₂e mitigated p.a. (over 40 year period)

250,00 ha forest protected

The project activity is to avoid unplanned deforestation by monitoring, capacity building, and providing land ownership rights to local people. Through a combination of forest protection and sustainable development activities, this project is estimated to avoid the emission of approximately 22 million tonnes of CO₂e over the project lifetime.

Jari-Para REDD+, Brazil



843,000 ha of protected forest

116 protected species

Improved literacy rate (7.6%)

516,399 tCO₂e mitigated p.a. (over 30 year period)

Through the promotion of forest and environmental services, this project enables the local community to benefit economically from the standing forest rather than converting land to farming or timber production. REDD stands for 'reducing emissions from deforestation and degradation in developing countries'.

Nature based projects

Nature based projects are based on restoring or growing carbon sinks such as forests.

Location: Peru

Sustainable Development Goals

Project Detail

Alto Huayabamba
Conservation, Peru



<p>1 NO POVERTY</p>	<p>Diversify income for families with precarious livelihoods, such as through quinoa and honey production</p>	<p>2 ZERO HUNGER</p>	<p>Improve agricultural practices to increase productivity and reduce food costs</p>
<p>2 ZERO HUNGER</p>	<p>24 families benefiting from improved kitchens</p>	<p>4 QUALITY EDUCATION</p>	<p>37 people trained with workshops on ecosystem restoration and biodiversity monitoring</p>
<p>6 CLEAN WATER AND SANITATION</p>	<p>Ensure fresh water is available for the Amazonian communities</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>	<p>8 job opportunities including 5 full-time positions</p>
<p>13 CLIMATE ACTION</p>	<p>52,000 tCO₂e mitigated on average per year</p>	<p>15 LIFE ON LAND</p>	<p>664 ha of Peruvian yungas protected from deforestation between 2013 and 2018</p>
<p>15 LIFE ON LAND</p>	<p>210 species protected including the critically endangered the yellow-tailed woolly monkey (<i>Lagothrix flavicauda</i>)</p>		

the project acts as a connection between multiple conservation corridors for endangered animals such as the jaguar. It has been designed with 40 local families to marry environmental protection with improving livelihoods.



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Standard



Gold Standard[®]
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Nature based projects

Nature based projects are based on restoring or growing carbon sinks such as forests.

Location: UK

Lowther, Cumbria
Forest Restoration



Doddington North,
Northumberland
Forest Restoration



Key points

Total area: **131 ha**

Project duration: **100 years**

Total tCO₂e sequestration: **76,675**

Total tCO₂e absorption per year: **766.75**

Total area: **254 ha**

Project duration: **65 years**

Total tCO₂e sequestration: **115,611**

Total tCO₂e absorption per year: **1,778**

Project Detail

This project is part of a group of projects organised by Forest Carbon in conjunction with the Woodland Carbon Code in the north-west of England, mainly Broadleaf tree restoration.

This project is part of the Woodland Carbon Code initiative in the north-east of England, with a mix of Conifer and Broadleaf tree restoration. As of 2017, it was the largest woodland restoration project in England for 30 years.



Community based projects

Community based projects are based on supporting economic growth and sustainability.

Location: LATAM

Sustainable Development Goals

Project Detail

Cookstoves Project Peru



ONIL Stoves, Guatemala



The project creates sustained improvements in the living conditions of rural indigenous communities and helps protect the local environment. The energy-efficient cooking stoves require up to 50% in firewood than conventional stoves, reducing pressure on surrounding forests and helping achieve emission reductions.

The ONIL cookstove project distributes clean and efficient cooking devices which not only helps to reduce indoor pollution, but also saves money and time for women.

Community based projects

Community based projects are based on supporting economic growth and sustainability.

Location: Africa

Sustainable Development Goals

Project Detail

Cookstoves Project, Ghana



Cookstoves Project, Rwanda



In Ghana, the practice of cooking over charcoal results in high emissions and severe health impacts due to indoor air pollution, which especially affects women and children. This project distributes efficient cookstoves that require less fuel to cook and contribute to cleaner air, less deforestation and improved health in Ghana.

By distributing innovative cookstove technology to communities in Rwanda, this project benefits the environment by significantly reducing fuel consumption. Health conditions inside homes are improved, and families can spend less time collecting wood fuel.

Energy based projects

Energy based projects are supported developments that replace fossil fuels with renewables.

Location: Asia

Sustainable Development Goals

Project Detail

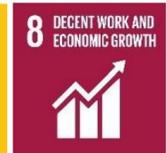
Geothermal Project, Indonesia



Wind Power Project, India



 <p>IDR 372 million+</p> <p>in total invested in community services, ameliorating lives and contributing to sustainable development in rural Java</p>	 <p>IDR 55 million+</p> <p>invested in local health services for communities</p>	 <p>IDR 366 million+</p> <p>invested in local educational services</p>	 <p>1,419,000 MWh</p> <p>of geothermal renewable energy generated on average annually</p>
 <p>IDR 51 million+</p> <p>invested in biogas processing (transforming livestock manure into biogas and organic fertiliser)</p>	 <p>32 jobs</p> <p>created in a remote region, boosting the local economy</p>	 <p>IDR 198 million+</p> <p>invested in local bridge and road construction</p>	 <p>104,620 tCO₂e</p> <p>mitigated on average each year</p>
 <p>IDR 1.1 billion+</p> <p>invested in education on, and conservation and regeneration of, surrounding Halimun-Salak National Park – protecting habitat for wildlife such as the West Javan gibbon, Javan eagle and Javan leopard, as well as tree nursery programs in some districts.</p>			

			
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Payments and employment to local people

Generating 700GWH of electricity each year

Displacing fossil fuel generation

40 percent of the world's geothermal reserves are located underneath Indonesia, but only about 6 percent have been developed. Setting up a geothermal power plant is costly and risky requiring significantly more investment than traditional alternatives. Indonesia is the 4th most populated country in the world and will continue to have a significant footprint until this untapped potential is realised.

85 commissioned wind turbines, providing for 250,000 homes in the surrounding area, helping to decarbonise the Indian grid network, which is heavily reliant on coal power. This project helps in the installation, maintenance, and operation of this wind energy facility.

Avon Energy.