Annual Review 2016/17

Renewable World

TACKLING POVERTY THROUGH RENEWABLE ENERGY

Our Vision

A world where renewable energy is readily accessible to all, helping to end extreme poverty and reduce climate change

Our Mission

We will lead in developing and deploying effective ways of bringing renewable energy at scale to poor communities, empowering them to achieve sustainable and resilient livelihoods

Our Purpose

Empowering energy poor communities to develop sustainable livelihoods through the provision of renewable energy systems

In 2016, an estimated 1.2 billion people – 16% of the global population – did not have access to electricity

World Energy Outlook

More people die of indoor air pollution than malaria, HIV/AIDS, and tuberculosis combined

James Rockall/Stanford Energy

2.4 billion people are living without access to improved sanitation

water.org

Women and girls spend 200 million hours every day collecting water

UNICEF

"The world must come together to end energy poverty"

Ban Ki-moon

About Us

Globally, almost 1 in 5 people do not have access to electricity, over 1 in 4 lack basic water services like taps and safe drinking water, and over 1 in 3 are without clean cooking facilities. Without access to energy, people remain trapped in a vicious circle of poverty.

Renewable World helps those in need by working with local partners to provide access to clean and sustainable energy. Communities are very much at the heart of the process of installing, managing and maintaining new renewable energy systems, so that they benefit fully.

These energy systems can light homes and power businesses, pump water for drinking, sanitation and irrigation, and provide a clean fuel for cooking. Access to renewable energy not only helps to drive improvements in the health, education and income of local people; it also reduces environmental damage.

Since we began work in 2007, our programmes have transformed the lives of over 35,000 people in Central America, East Africa, and South Asia.

We are committed to supporting the Sustainable Development Goals and improving the lives of rural communities around the world.

Our work is directly contributing to the SDGs.

We deliver clean, affordable and sustainable energy to relieve poverty.

Our work contributes to other SDGs:


SWAN
SWAN

Chair's Statement

Stephen Balint
Renewable World Chair August 2016 – Present

During my first year as Chair of Renewable World, I have spent more time with the management team and staff at our Brighton office and gained a better understanding of the activities being carried out by our regional teams. I already had a very positive view of our team, but now I am prouder than ever. They are achieving great things with a very small resource base, in the face of difficult economic conditions that have affected both the costs of delivering our programme and the fundraising environment. Throughout it all they remain positive, committed and cheerful. I take my hat off to them.

In the last year we have seen tremendous progress with our innovative programmes in both Kenya and Nepal: solar microgrids (Energy Hubs) on the shores of Lake Victoria, and solar and hydro powered water pumping in the hills of the Himalayas. We have also entered a new market in Bangladesh, in partnership with iDE, for the USAID-funded Powering Aquaculture project, and our project in Nicaragua has installed half of its planned solar home systems. It was our biggest year of programme activity to date.

Last year we also achieved our highest ever income figure, including for unrestricted fundraising, continuing our long-term growth in income. Highlights included:

- our first legacy – the generous McKnight gift;
- an even more successful year for our flagship challenge event, Earth Wind & Tyre;
- raising over £30,000 from our BBC Radio Four Appeal, which aired on the first anniversary of the 2015 earthquake in Nepal.

For all small charities, maintaining sufficient unrestricted cash reserves remains a key challenge. To address this, we have established a fundraising task force to focus on increasing our reserves, in order to achieve our target of six months of general expenditure. We have also established an Operations Committee, consisting of three senior staff and three trustees. This committee meets regularly and is focused on short to medium term priorities and decision making, and ensuring that any changes in forecast cash flow are identified and addressed in a timely manner. By keeping such a close focus on our costs, we have also reduced our overheads as a proportion of our overall spend.

Looking forward, we are now moving into the exciting phase of taking our programmes to a larger scale. The staff focus is changing from concept development to repeatable and consistent implementation and cost optimisation. It will be a big challenge to access the major funding we need to take us to the scale of programme required to reach our goal to move 100,000 people out of energy poverty by 2021. With our great team and your continued support, how can we fail?

Stephen Balint
Chair

Radio 4 Appeal

On Sunday April 24th 2016, Renewable World's BBC Radio 4 Appeal was aired for the first time.

This appeal, which went on to raise over £30,000, was repeated on Thursday 28th April, and coincided almost exactly with the one-year anniversary of the earthquake that struck Nepal in 2015.

The earthquake was the worst natural disaster the country had seen in over 80 years. It killed more than 9,000 people, injured over 22,000, and left hundreds of thousands without homes and access to basic services.

One year on, the BBC Radio 4 Appeal highlighted the work that Renewable World has done to improve lives in Nepal since our work began there in 2010. Presented by travel writer and explorer Levison Wood, the appeal introduced the story of Sushmita Regmi, 18, and the project that Renewable World initiated in her village of Sirubari in 2013.

With the help of our local partners, Renewable World installed a solar-powered water pumping system in Sushmita's village. This technology harnesses solar energy and uses it to pump water from its source to tap stands throughout the village. 18 months after work began in 2013, water was pumping.

Renewable World's solar-powered water system has improved sanitation in local households, which is expected to bring enhanced health benefits. The increased access to water has also proven to stimulate greater vegetable growth, both in terms of quantity and quality. This in turn brings additional improvements to diets, and boosts income when produce is sold at market.

Renewable World is honoured to have been selected to present a BBC Radio 4 Appeal and would like to thank all those involved in its production, our presenter Levison Wood, and all those that donated. Thanks to support like this, we are able to continue improving lives in Nepal and around the world.

Sushmita's Story

From a young age Sushmita had been responsible for collecting water for herself and her family. She told us:

"I always used to think about what my life would be like if I didn't have to spend time carrying water. I would be able to spend more time doing school work and studying."

Sushmita's family are farmers, but with limited access to water, much of their land was left barren for six months of the year, and the situation was getting worse because of the effects of climate change.

Each day Sushmita would have to collect water from 6am until 8am, before getting ready and leaving for school. When she returned home she would have to collect water for a further two hours, to ensure that her family had the 60 litres of water they needed each day.

The water she spent four hours collecting was less than what one person in the UK uses in an 8-minute shower.

Renewable World's installation of solar panels and the water pump has made life easier for Sushmita and other women and girls like her, allowing for more time to be spent on activities other than fetching water.

"All the households were very happy when they heard about the project and the opportunities to have access to water near their houses," Sushmita told us. "It now takes me a maximum of 15-minutes to fetch the water from a nearby tap."

Our Programme Highlights 2016/17

Nepal

5 SolarMUS systems installed through our programme funded by the Big Lottery Fund, with cumulative capacity installed of 8kWp

1449 people and 225 houses have access to water, from the Solar Water Pumping Programme

Technical installation underway in **11 further sites** under the **Solar Water Pumping programme**

£77,800 raised in match funds through community cash and kind contributions and local government grants and subsidies, towards the technical and installation costs of five solar water pumping projects

4 community biogas systems installed, bringing clean cooking fuel to 236 people

1 Papa Pump pilot project delivered, bringing **water for agriculture to 33 households** in Rolpa

8 local trainers trained in financial literacy and good governance through a 'train the trainer' workshop

Kenya

5 solar microgrids (Energy Hub) sites selected as part of our Lighting Up Lake Victoria Programme

1 Energy Hub installed at Ragwe with 27 overhead connections, **bringing power to five existing microenterprises, 21 households, and 1 water pump** for the Guba Women's Agricultural Cooperative with 20 members

Completion of the Comic Relief funded RESOLVE programme that installed **6 Energy Hubs, bringing to energy access to 1,600 people** (including 52 households and 47 businesses)

Improved access to mobile phone charging services for over 600 people in Ragwe, **resulting in improved and easier fish trading**

50% decrease in household spending on lighting for houses connected to an Energy Hub

Bangladesh

2 sites (Bhola Monosex Tilapiya Hatchery and Abdullah Motso Hatchery) **selected for the Powering Aquaculture project**

42 beneficiaries of Bhola Monosex Tilapiya Hatchery **and 50 beneficiaries** of Abdullah Motso Hatchery **were geo-tagged**

1 solar microgrid installation at Bhola Monosex Tilapiya Hatchery completed

Nicaragua

29 households received loans to install solar home systems, bringing clean lighting and power

1 solar energy system installed in a community centre in Magnolia community

$9520 released in micro-credit to the 30 benefiting households, to be paid back within 12 months

Kenya: Lighting up Lake Victoria – one community at a time

Project Summary

Project Aim

To increase incomes of fishing communities around the shores of Lake Victoria through access to energy from solar microgrids.

Project Date

2013 – 2018

Project Funder Phase I

Comic Relief

Project Funders Phase II include

United States African Development Foundation

The Mitsubishi Corporation Fund for Europe and Africa

Dulverton Trust

Peter Sowerby Foundation

The Bentley Foundation

The Need

Imagine a fishing industry that supports almost 2 million people with jobs and incomes and brings fish to almost 22 million people, who survive without regular electricity to make ice, chill fish and power production. This is the reality in Kenya, Tanzania and Uganda, where only 7.7% of beach landing sites are powered with electricity.

Fishing provides the communities along Lake Victoria with their main source of income, but fishermen remain trapped in a deteriorating situation. These communities have both the highest rates of malnutrition and HIV/AIDS in the region. The use of expensive kerosene lamps within households, small businesses and for night-time fishing pollutes the atmosphere and causes high levels of respiratory illness and eye infections. Despite the abundance of suitable land for farming, people don't have the funds or knowledge to irrigate crops. Sadly, the area has become known as "the belt of poverty."

"The cost of each Energy Hub per person per year equates to just £9. It is a powerful investment that can transform lives and lift people out of poverty – literally at the flick of a switch."

Our Action

Renewable World's goal is to provide local people with access to energy by installing solar microgrids to 10% of the poorest fishing communities around the lake by 2021. We have completed the first six of these microgrids through our RESOLVE programme, which is funded by Comic Relief. We found that:

- Access to electricity helps these fishing communities to chill and freeze fish, increasing profits and incomes.
- Small businesses such as kiosks, bars and hairdressers achieve higher profits (we have seen increases of up to 300%). This inspires others to start their own businesses, such as mobile phone charging or growing high value crops using solar-powered irrigation.
- The hub can connect and light homes, banishing the volatile, polluting kerosene lamp to gather dust in the corner.

The programme is now set to complete another six energy hubs by the end of March 2018. We are currently bringing clean lighting and electricity to more homes in Ragwe, N'gore, and installing new Energy Hubs in Kiwa Island, Mirunda and Waka Waka Beach. The support we have had to date has been incredibly generous, and we would like to thank our Trusts, Foundations, companies and generous supporters who gave to our Lake Victoria appeal in November 2016. We eventually want to bring solar power to 50 more communities around the lake so that people are able to freeze their catch, light their homes, and achieve higher incomes.

SOLAR

Charles' Story

For most of his life, Charles Otieno had been a fisherman, and life was hard. His home had no electricity, fishing brought less and less income, and his children had to go to school without shoes.

On the Lake at night, and in his home during the mornings and evenings, Charles would burn kerosene lamps for light. This expensive fuel pollutes the environment and its toxic fumes cause serious health problems.

Recently, all this changed. With the help of local partners, Renewable World installed a community-owned solar microgrid (Energy Hub) in N'gore. Charles found himself part of the clean energy revolution sweeping across East Africa and the rest of the developing world.

Charles volunteered to help with the Energy Hub and received training to become the community technician. This job gave him a small and steady income, and when his home was connected to the Energy Hub, Charles set up a business of his own. His wife has stopped working and has returned to education to train as a teacher, and their two children walk to school in brand new shoes and uniforms.

"Since I was connected to the hub, my life has been changed because I have started a business charging phones. I've moved my son to a private school as I can now afford it. I want my wife to go on to study at university. That is my dream."

Bangladesh: Powering Aquaculture for Off-Grid Fish Hatcheries and communities

Project Summary

Project Aim

To replace diesel generation at off-grid fish hatcheries in Bangladesh with solar microgrids, and boost agricultural productivity for low income households.

Project Date

2016 – 2018

Project Funder

Powering Agriculture: An Energy Grand Challenge for Development (PAEGC)

The Need

An estimated 12 million people in Bangladesh currently rely on the fishing industry for their livelihoods. Fish hatcheries, who sell fish on to households and other businesses, require constant running water.

Currently, most fish hatcheries and their surrounding communities rely extensively on expensive diesel and kerosene to provide the electricity needed to pump water and provide lighting. In addition to being costly, the use of kerosene and diesel pollutes the environment and threatens the food chain and human health. Furthermore, diesel-run pumps are only 35 percent efficient, whereas renewable energy technologies are as high as 90 percent efficient. In order to increase the productivity of fish hatcheries and local agriculture in the surrounding communities, cost-effective methods of mobilising water during the dry season are needed.

"Each of the 100 households connected will be able to use on average three light bulbs, one fan and a mobile phone charger."

Our Action

In partnership with iDE and Rahimafrooz Renewable Energy Ltd (RREL), Renewable World is testing cost-effective, Clean Energy Solutions (CES) for two fish hatcheries and the surrounding communities in the south of Bangladesh. Through the installation of solar microgrids with a mobile-based metering and payment system, the Powering Aquaculture project is expected to provide power for water pumping and lighting for the fish hatchery, as well as domestic lighting for up to 100 surrounding homes in each community.

Access to solar energy will replace diesel and kerosene use within the hatcheries, reducing energy costs, increasing productivity and improving the health of all involved. The surrounding community will be able to buy energy from the fish hatchery, and will no longer suffer from polluting fumes in their homes. The hub will also provide energy capacity for additional water pumping in the communities, allowing households to irrigate land for agriculture or pump water for domestic fish ponds. This new ability to pump water all year round will boost productivity, improving the economic prospects for local people.

As part of the project, the team have been geo-tagging all households in the communities and conducting household interviews. This data will help to provide accurate information on the existing energy use within the community and energy connections to the hub.


SOLAR

Thank You

Renewable World would like to thank all the individuals, companies, trusts, foundations, volunteers and fundraisers that have supported us over the past year.

We look forward to another year of helping those in need through the power of renewable energy.

Nicaragua: Bringing Solar Energy to Homes and Microenterprises

Project Summary

Project Aim

To bring cheap, clean light to homes in isolated communities through the installation of solar power systems, and to support aspiring entrepreneurs by helping them gain the power necessary to start their own businesses, and lift themselves out of poverty.

Project Date

2014 – 2017

Project Funders

The Genesis Foundation
The Pickwell Foundation

The Need

Nicaragua is one of the most impoverished countries in Central America, with 60% of the rural population living below the national poverty line. For those living in isolated communities, fuel for energy is expensive and difficult to obtain, and fossil fuel prices continue to rise. Limited access to energy severely inhibits career opportunities, and prevents rural people from being able to set up health and education centres.

Solar power is in abundance; the ability to harness this source of energy would create opportunities for income generation. However, the startup costs of renewable energy systems are often too high for poor rural communities.

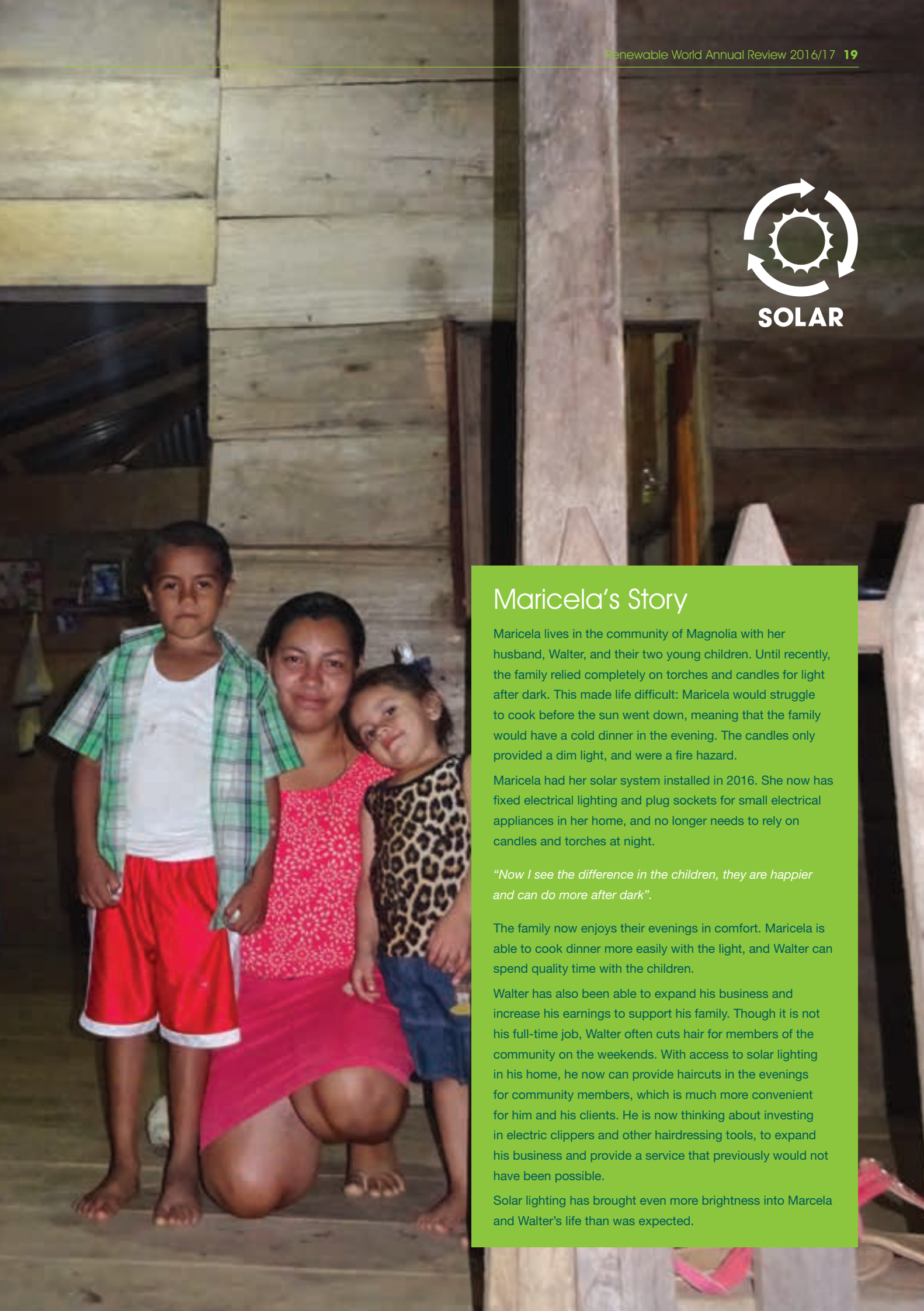
"Thanks to this project, more small household level businesses will emerge organically as families explore the income generation opportunities that access to electricity opens up for them."

Our Action

Now in its final year, the Mahogany Project aims to support three communities on the eastern coast of Nicaragua to access solar PV energy systems for homes and enterprises. The three remote areas of Magnolia, Belen and Hone Creek are located inland, along the vast Rio Escondido. Through a micro-loan scheme, this project aims to support up to 65 households in the community to access one of four carefully designed solar home systems of varying sizes.

Access to solar power will replace traditional fuels such as candles, kerosene and diesel that are currently used for lighting. The provision of clean energy leads to improved living conditions for families and reduces fuel costs, health issues and risks of fires and spillages. Access to clean, affordable solar power is also expected to allow existing micro-businesses to expand, and for households to use the energy for income generating activities.

Over the last six months the project has moved into the technical installation phase, installing solar home systems for beneficiary households who have been approved for micro-credit loans. Through two installations rounds, 30 energy systems have now been installed: of these, 28 systems have been installed in homes, one in a community institution and one in a home that will also benefit the family-run microenterprise. Over the next six months a further 35 households are expected to be awarded micro-credit agreements and have energy systems installed.



SOLAR

Maricela's Story

Maricela lives in the community of Magnolia with her husband, Walter, and their two young children. Until recently, the family relied completely on torches and candles for light after dark. This made life difficult: Maricela would struggle to cook before the sun went down, meaning that the family would have a cold dinner in the evening. The candles only provided a dim light, and were a fire hazard.

Maricela had her solar system installed in 2016. She now has fixed electrical lighting and plug sockets for small electrical appliances in her home, and no longer needs to rely on candles and torches at night.

"Now I see the difference in the children, they are happier and can do more after dark".

The family now enjoys their evenings in comfort. Maricela is able to cook dinner more easily with the light, and Walter can spend quality time with the children.

Walter has also been able to expand his business and increase his earnings to support his family. Though it is not his full-time job, Walter often cuts hair for members of the community on the weekends. With access to solar lighting in his home, he now can provide haircuts in the evenings for community members, which is much more convenient for him and his clients. He is now thinking about investing in electric clippers and other hairdressing tools, to expand his business and provide a service that previously would not have been possible.

Solar lighting has brought even more brightness into Marcela and Walter's life than was expected.

Nepal: Using Solar Power to Pump Water in the Himalayas

Project Summary

Project Aim

Renewable World is installing 19 solar-powered water pumps in rural villages across eight districts in Nepal. This programme aims to benefit over 5,500 people by mid 2018, and is delivered in partnership with iDE, SAPPROS and District NGOs.

Project Date

2015 – 2018

Project Funders

Big Lottery Fund

The Need

One of the most significant aspects of poverty affecting marginalised groups in Nepal is a lack of access to water resources. The hilly landscape of Nepal means hazardous journeys up and down steep slopes for up to three to four hours a day, particularly for women and girls – just to fetch water, which leaves little time or energy for other activities. A lack of clean and available water traps women and girls in a cycle of household duties, which reduces income potential and keeps girls out of school.

In addition, poor quality water leads to water-borne diseases, unproductive land, endemic poverty and high mortality rates in children and the elderly. Typically, water resources are of poor quality, hard to access, and under stress from the impacts of climate change.

"I am excited about being able to grow vegetables throughout the year. Last year I made Rs 25,000 from vegetables and I hope to double my income once I have access to water."

Our Action

Renewable World uses a solar-powered water pumping system (Solar MUS) to lift water from the source to communities in the mid-hills of Nepal. Households can access water for domestic, sanitation and agricultural needs.

Renewable World has developed an innovative approach for financing SolarMUS, supporting communities to raise their own funds, as well as leveraging local government grants and solar subsidies from the Alternative Energy Promotion Centre. Each community is actively involved, establishing a water user committee that owns and manages the SolarMUS. Household users pay a monthly fee based on their metered use. This money goes towards maintenance fund and operations, ensuring that the project is sustainable in the long run.

Improved access to water is especially empowering for women, as it frees up time that would otherwise be spent doing tiring trips to collect water. Women can engage in income-generating activities, such as agricultural production. Families can send their children to school and invest in their futures.

Greater access to water also has a positive impact on agricultural production, as crops can be irrigated during the dry season, with 82.7% of households reporting an increase in their income thanks to more vegetables being sold at market. We also provide farmers with training in climate smart agriculture techniques to manage water efficiently. Increased consumption of fresh vegetables has nutritional benefits, and access to water leads to improvements in sanitation; overall people are healthier, and enjoy a better life.

SOLAR

Nuna's Story

Nuna is a single mother with two young daughters. She lives with her daughters, her sister-in-law and nephew in Jimi Gaun, a village in Gulmi District, 340km away from Kathmandu.

Nuna and her family live further up the hill than many families, and previously had to collect water by hand. In total, Nuna estimates that her family members spent 4 – 5 hours a day making trips downhill to collect water. Carrying the water uphill was extremely strenuous, especially for her young daughters. There often wasn't enough time to fetch sufficient amounts of water for both domestic and agricultural use, so on most days their kitchen garden suffered. Relying on rainfall seriously limited their agricultural production.

But thanks to the solar-powered water pump that Renewable World installed in the community, all houses now have access to water. Nuna has her own water tap-stand outside her house, and there is no need for anyone to spend time fetching water. Nuna used to fear for her daughters' education, as they were often late for school because they were collecting water. Now, with the solar powered water pump, Nuna is happy that her children are able to give more time to their studies - and she can expand her agriculture production.

Timeline of the Year 2016/17

April 2016

24th Levison Wood presents Renewable World's Radio 4 Appeal for the first time, introducing the story of Sushmita and how our work helped her family and the other community members of Sirubari. The Appeal went on to raise over £30,000

May 2016

17th £9,500 is raised at a Funding Network event in London. This money will go towards our work in Kenya

June 2016

25th-26th Earth Wind & Tyre 2016: Renewable World's flagship annual two-day cycle challenge raises an incredible £60,000

July 2016

11th Rasira beach and Luanda Rombo, two of our six fishing communities in RESOLVE, officially open their community-owned solar microgrids (Energy Hubs) and households and businesses start to receive electricity

August 2016

21st Salsa for Solar event takes place at Brighton's Bandstand and raises £417 for Renewable World

September 2016

21st Renewable World East Africa celebrates a partnership with Renewvia Energy Corp at the US Africa Business forum, addressed by President Obama

November 2016

10th The United States African Development Foundation (USADF) grants $100,000 towards our work in Kenya

December 2016

1st Scottish Renewables Green Energy Awards 2016 – Renewable World receives £8,664 from raffle proceeds

January 2017

We install biogas systems (COBLE) and solar-powered water pumps (Solar MUS) in four districts in Nepal: Banke, Achham, Gulmi and Syangja

February 2017

9th OST Energy's resident band The G59ers raises £1,000 at a Battle of the Bands event in Brighton

March 2017

29th The power is turned on at our first fish hatchery (Bhola Monosex Tilapaya hatchery) in Bangladesh

31st 30 home solar systems have by now been installed as part of our Mahogany project in Nicaragua

Project Partners: SAPPROS Nepal

The Partner

Established in 1991, Support Activities for Poor Producers in Nepal (SAPPROS Nepal) are a NGO that works to improve the lives of small farmers and other disadvantaged communities. By working at the grassroots level they support community organisations, help to mobilise local resources, and train community members in financial management and business development.

To date, their work has reached approximately 400,000 households and helped almost 1.5 million people in Nepal.

Their overall aim is to reduce poverty in the country, and they have five main components to their work: organisation development, infrastructure development, income generation, resource generation and mobilisation, and environmental sustainability. With over 160 staff and volunteers, they work in 29 districts in Nepal and are currently implementing 11 projects – one of which, SolarMUS, is with Renewable World.

The Project

Renewable World first partnered with SAPPROS Nepal on our solar-powered water pumping project, SolarMUS in 2012. Rajman Shrestha is the Program Coordinator for SAPPROS and works on the SolarMUS project, designing the infrastructure, managing the field staff, and providing technical support.

"This [SolarMUS] project is really helping those communities, those settlements… that are residing above the water sources", he says. Most of these communities do not have easy access to water and instead have to spend hours each day trekking up and down the hills to collect it. SolarMUS uses a solar-powered water pump to carry this water up to households, so that they can use it for washing, sanitation and irrigation.

Rajman believes that this project should be introduced in most parts of the country, because with Nepal's acute shortage of energy access, this technology is an ideal solution. At present, approximately 1 in 10 Nepalis do not have access to an improved drinking source and 40% of the population do not have adequate sanitation facilities (WHO).

"Together with Renewable World, hopefully we can find a better solution to reach out to these needy people. We have learned a lot from SolarMUS… It's a pleasure working with Renewable World." Rajman Shrestha

Our Fabulous Fundraisers

Our work would simply not be possible without the commitment, determination and enthusiasm of our fabulous fundraisers. So thank you to everyone who ran, swam, cycled, sang, and even scaled a mountain last year - all to raise awareness and vital funds for Renewable World.

Earth Wind & Tyre

In June 2016, 50 cyclists took part in our two-day, 200-mile, wind-themed cycle challenge, raising an incredible £60,000 to tackle energy poverty.

Earth Wind & Tyre is an annual event that brings together teams and individuals from across the renewable energy industry and beyond to celebrate renewable energy and the power it holds to transform lives. If you are interested in taking part or sponsoring this event, get in touch.

"I love the idea that the efforts that we can put in, in one weekend here, can make a significant difference in other people's lives." Don Mackay, Operations Director at EDF Energy Renewables

We would like to thank our major sponsors without whom this event would not be possible.

Gethin Jones – London Duathlon

Our celebrity Ambassador Gethin Jones was looking to challenge himself after Rio 2016. So along with his close friends Oli and Sandra from Blåbär Nordic Living, Gethin decided to take on the London Duathlon in September 2016 and raised over £2,800 to help lift people out of poverty.

Together they ran 10k and cycled 44k - followed by a final 5k run to the finish line. It was a tough 2-3 hours, but having seen our work themselves, they know that it pales in comparison to the amount of time some people spend simply collecting water each day.

"I truly believe in what Renewable World is doing. Every penny donated goes where it should be going. I guarantee it. I know them, I've seen it. They are changing lives." Gethin Jones

Siemens Challenge 2016

For the second year running, our friends at Siemens hosted an adventure, activity and team-building weekend in south-western Scotland to raise funds for Renewable World and Cancer Research UK.

11 teams took part, tasked not only with completing an array of physical activities, but also with the added challenge of hitting a £1,000 team fundraising target. All in all, they managed to smash their fundraising target and raised over £6,000 for Renewable World.

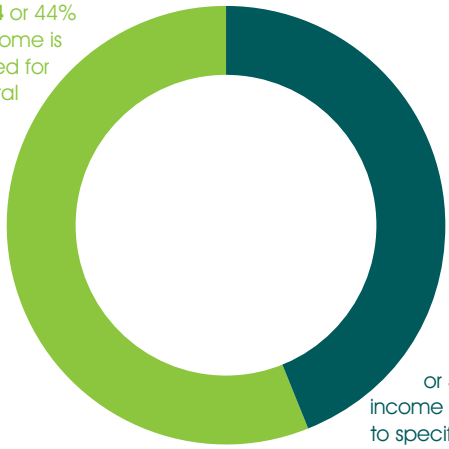
To get involved:

Please contact us on
01273 234 801
events@renewable-world.org
www.renewable-world.org
or follow us on

Income
£836,671*

Funding Type

£368,664 or 44% of our income is unrestricted for our general work



£468,007 or 56% of our income is restricted to specific projects

Donor Type

£299,422
Institutional Grants

£214,638
Trusts & Foundations

£126,162
Corporate

£100,336
Consulting & Other

£96,113
Individuals

Category

£727,002
Voluntary Income

£78,714
Trading Income

£30,354
Other Income

£601
Investment Income

Expenditure
£864,723*

Spending by Activity

£350,404
Charitable Activities: Direct Programme

£324,230
Charitable Activities: Grants to Partners

£190,089
Fundraising

58% is restricted expenditure

78% of total expenditure is **on our programme**

17 local and national partner organisations from three countries were granted a total of £324,230

Average of **16 full time staff** with 9 in the regional programme

£190,089 is spent **on fundraising and communications**

*Total for year ended 31 March 2017

Thank You

Everything that we achieve would not be possible without many individuals, companies, trusts and foundations and other organisations supporting us along the way. As well as those already mentioned in this Annual Review, we would like acknowledge the support of the following donors and funders who kindly gave £5,000 or more:

Autonomous Research Charitable Trust, The Paul Foundation, the Funding Network, The Green Room Charitable Trust, Scottish Renewables, Community Foundation Ireland, Smartest Energy, Evan Cornish Foundation, Educational and General Charitable Trust, Ward Family Charitable Trust and the Wolseley Group.

Governance

Our Approach

At Renewable World, good governance starts with having a clear and common purpose and a set of values. We recruit experienced, qualified and dedicated people, and everything we do is underpinned by appropriate systems, policies and procedures.

The Trustees are legally responsible for the organisation's governance. During the 2016/17 year of review, the Renewable World Board met face-to-face seven times for a total of 28 hours. The major topics covered included:

- Strategy and business planning
- Renewable World East Africa
- Finance, cashflow, modelling and budgeting
- Audited accounts
- Programmes and project approvals
- Monitoring and evaluating our programme impact
- Trustee roles and responsibilities
- Trustee recruitment
- Principal Risks

The Board delegates detailed review and discussion to sub-committees, which in turn make recommendations to the Board.

The committee roles are as follows:

Programmes Committee (met six times): Supports the programmatic direction of the organisation, including oversight, technical strategies and priorities. It signs off on new concepts and tracks progress and liabilities within programmes, providing monitoring and evaluation.

Fundraising Committee (met four times): Oversees the organisational fundraising strategy in line with the overall organisational strategy and objectives. Provides support and resources to the fundraising team, mitigating fundraising risks. Fundraising Committee members also attended a joint finance committee meeting several times.

Finance Committee (met eight times): Provides specific input, assistance and advice to the administration and Board on financial issues including budget management and financial policies and procedures.

Ethics Committee (met twice): Provides a critical look at the organisation and serves to ensure that issues of Ethics and Sustainability are addressed.

Our Board

During the year the composition of the Board has changed from nine to seven members, with Stephen Balint stepping into the Chair role after Alex Hassan, who had come on board to help us through the strategy process.

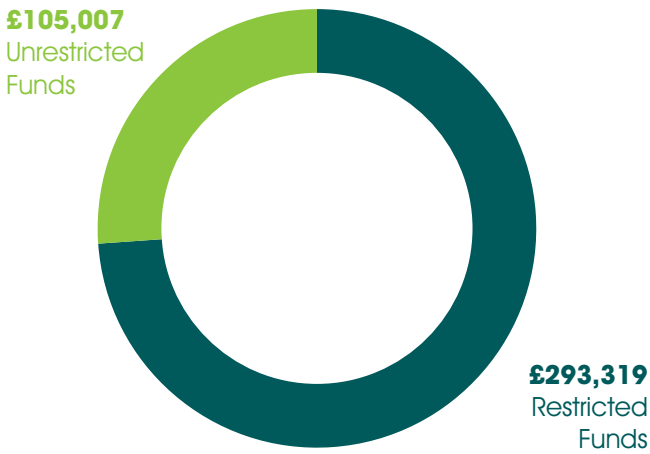
During 2017/18 we will continue to work on rolling out our business plans, improving our internal systems, developing our staff and introducing a robust risk management process.

During the 2016/17 financial year the Board of Renewable World consisted of: Gemma Grimes, Alex Hassan *(Chair – resigned 17th August)*, Catherine Adams *(Treasurer)*, Sarah Donnelly *(Vice- Chair)*, Stephen Balint *(Chair from September 2016)*, Patrick Davis, Louise Heaps (resigned 21st March 2017), Jeremy Taylor, Peter Weston, Matthew Stubberfield acted as Company Secretary.

Funds

31st March 2017

In 2016/17 funds reduced by £24,761 leaving our total funds at £398,326, the majority of which are restricted funds for use in our 2017/18 programme.



Unrestricted funds were equivalent to four months of unrestricted operational expenditure.

We intend to build these unrestricted reserves appropriately to our long term operational requirements.

Strategy and Looking Ahead

In the last year, we have been completing the installation of our pilot technologies using our community and privately-owned business models. The technologies and business models we developed and refined have been increasingly successful in delivering clean energy to poor consumers, which they pay for through increased income and other benefits. **This ends an exciting first five-year phase of Renewable World since we established our regional programmes.**

In order to meet our bold goal of uplifting 100,000 out of extreme poverty through renewable energy, the next phase is about increasing our impact through scaling our best and most effective projects. Growth will be predominantly within Kenya and Nepal, new markets outside these regional hubs must fit strategically as well as be opportunistic. In Nepal, we will be growing our Himalayan water pumping projects for household and agriculture using solar or HYDRAM technologies. In Bangladesh we will work through our partners to secure opportunities for our technologies and implementation models, including scaling up our privately owned microgrids for aquaculture. In Kenya our community owned microgrids will continue to roll-out with larger capacity and stimulating more productive business uses to drive income increase. Our plan is to expand these solar Energy Hubs to other poor, predominantly off-grid fishing communities around the lake into the neighbouring countries of Tanzania and Uganda.

In order to scale we will need to secure significantly greater funds and new sources of project funding. Larger multi-year grants will underpin our funding of projects to scale. This requires investment in new strategic partnerships and in our own resources and materials so that we can write winning proposals. Within our projects, we will look for support for capital and infrastructure costs through regional subsidies and in-kind contributions from the communities as successfully achieved on SolarMUS II. We will also look at further developing loan products and microfinance for equipment with clear productive uses and more readily financed such as irrigation components. Overall, we aim to reduce the element of grant and increase private capital and beneficiary investment.

Investment in our resources and systems is vital to be scale ready, In particular robust monitoring and evaluation (M&E) and refining our implementation models and toolkits.

With new business plans being finalised to meet our goal the team at Renewable World is eager to increase our programme impact. We are ready to achieve our mission and we hope you will come with us on our onward journey to help lift thousands more people out of poverty through access to clean, affordable and reliable energy.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