

Annual Review 2015/16



Renewable World
TACKLING POVERTY THROUGH RENEWABLE ENERGY



125 million hours spent per day by women and children fetching and carrying water

UN Water



4.3 million people die prematurely each year from burning biomass in inefficient stoves and in poorly ventilated spaces

World Health Organisation



1.3 billion people around the world lack access to electricity – 84% are in rural areas

UNDP

Vision

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

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

Purpose

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



25% of household incomes in rural Africa are spent on lighting

The Economist

“Energy is the golden thread that connects economic growth, social equity, and environmental sustainability. I know this from my own experience”

UN Secretary-General Ban Ki-moon

About Us

Globally nearly 1.3 billion people lack access to electricity and remain trapped in a daily cycle of poverty and basic survival. Renewable World tackles poverty by providing communities with access to clean and sustainable energy and the development opportunities this provides. We work with local partners and communities to introduce community owned energy solutions which meet their needs and tackle the root causes of poverty. To date, our programmes have directly transformed the lives of over 30,000 people in South Asia, East Africa and Central America.

Access to low cost renewable energy supports people in rural areas by creating new income generating opportunities, reducing the impacts of using dangerous polluting fuels such as kerosene, and promoting sustainability. We provide training and market links to ensure communities can benefit fully from the energy they finally have access to.

We are committed to supporting the 2015 Sustainable Development Goals (SDGs). Our work and our impacts contribute toward a number of the SDGs, but our two main priorities are:



Through delivering our vision, we aim to contribute to these goals by putting renewable energy accessibility at the heart of development opportunities for the poorest in society. In doing so, we will also be addressing one of the biggest threats to poverty alleviation today; that of climate change.



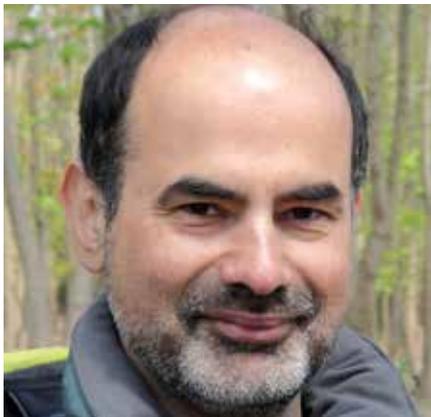


Sustainable Development Goals

"At its essence, sustainability means ensuring prosperity and environmental protection without compromising the ability of future generations to meet their needs. A sustainable world is one where people can escape poverty and enjoy decent work without harming the earth's essential ecosystems and resources; where people can stay healthy and get the food and water they need; where everyone can access clean energy that doesn't contribute to climate change; where women and girls are afforded equal rights and equal opportunities."

UN Secretary-General Ban-Ki Moon

Chair's Statement



Alex Hassan
Renewable World Chair January 2014 – August 2016

This year it was really satisfying to hear the stories of our project work and its impact on individuals; how the introduction of community-owned renewable energy helps to realise an inherent entrepreneurial spirit. In Kenya, the RESOLVE project, located at six lakeside communities has allowed Linet (see page 19) to expand her business and improve her income by using the power to run a new phone charging business. This and other projects have reinforced the message that renewable energy is a catalyst for change and a platform for opportunity through income and entrepreneurship.

I am also delighted to have personally played a role in the development of the new strategy with the Board and management team. Our new goal, to move 100,000 people out of energy poverty using clean renewable energy within five years, is necessarily bold and will be challenging to deliver from our small resource base. New partners will be required and the capacity of our team and existing partners will also need to expand. We will grow from our two principal regional hubs in Kenya and Nepal into neighbouring countries where the need and opportunities are greatest. We will scale up our programmes, focusing on those technologies and business models already proven in pilot projects, ready to make an impact and a difference to people's lives. We will maximise the benefits to communities by further stretching the use of our funding through new and more effective financing mechanisms.



Stephen Balint
Renewable World Chair August 2016 – Present

Resilience, the ability to withstand shocks, is a key theme in sustainability and Renewable World's work. For us it means not depending on one source of income, but developing a diverse income base and a portfolio of global projects. For our beneficiaries, shocks can come in many guises from a natural disaster to a political or economic crisis. In 2015, Nepal suffered from all of these with two major earthquakes, political strife, a fuel embargo and heavy flooding. Renewable World played its part in rebuilding community resilience in Nepal in several ways. Our solar and Hydram systems generally continued to pump water to affected hill communities. Alongside our partners, and following a successful earthquake appeal, we delivered solar lighting and communication technology as well as agricultural aid and assistance to the communities where we work. We were also able to secure further funding to continue our work, which had suffered delays because of the shocks described, but is now getting back on track with the site surveys completed and first installations of our expanded solar water pumping project.

Finally, I am delighted to have served on the Board and to have been a part of Renewable World's strategic development, but regrettably this will be my last report. I have decided, after two years as strategic advisor and then Chair, I have decided to step down and have handed the baton into the capable hands of my colleague Stephen Balint who will continue to oversee the implementation of our strategy and business plans. Thank you for all your support throughout my tenure. I am proud of our achievements together and to have played a part in building a strong team and a foundation from which Renewable World can achieve even more to help the poorest communities in the world.

A handwritten signature in black ink, appearing to read 'Alex Hassan'.

Alex Hassan
Chair



Supporting Communities after the Nepal Earthquake

On 25th April 2015, Nepal was rocked by the strongest earthquake the country had felt in over 80 years. More than 9,000 people were killed and over 22,000 injured. Hundreds of thousands lost their homes and were left without access to energy and other basic services. Nine communities directly supported by us were seriously affected.

Renewable World immediately launched an appeal to help support the communities who were most affected. The response was amazing, raising over £26,000 in a matter of weeks. We are extremely grateful to all who supported this appeal.

Thanks to the appeal, we started the Nepal Earthquake Emergency Relief (NEER) project in partnership with ADRA Nepal (Adventist Development and Relief Agency), NZ Aid and local partners RMT. Dhading District was one of the worst hit by the earthquake with 98% of the houses reported to have been affected. NEER prioritized seven communities in the district who had previously been supported by our Hydram programme. Every house had been damaged by the quake, most beyond repair and all the families were living in makeshift tents. Through visiting the affected communities, we heard from them what they really needed. Restoring basic services and providing solutions for lost income was a priority, but equally so was improved lighting for safety, especially for vulnerable girls, and access to information. Through NEER we delivered portable solar lights with phone charging capability and solar powered radios to 301 families; we restored access to water by repairing earthquake damage to seven Hydrams; and we provided seeds and tools for growing high value crops along with agricultural training. A further two communities in Kavre and Sindhupalchok districts, with a total of 62 households, also received our support.

In December 2015 volunteer Matt Kinsella visited Kalleri in Dhading District.

“The communities had been equipped with solar radios, helping to keep them in contact with news announcements and solar lights. They had helped to ease the impact of the quake in a small way, providing light in the makeshift homes and a link to the wider world. Hydrams have been fixed, pumping fresh water for irrigation, allowing families to grow a wide variety of fresh produce, both for their own consumption and for sale.

Water was also being put to household use – cooking, washing, cleaning – and critically families told me that they would use it for mixing mortar when reconstruction of their homes begins. Though these communities have been hit hard by the earthquake, it was heartening to see that they at least have basic supplies of water, food and light this winter.

I came away with a sense that these small actions, a simple act of kindness at a time of loss and trauma, had helped to galvanise the affected communities and to bolster their own resilience. It is this resilience which gives great cause for hope.”





Energy for Resilience

Kalleri village in Dhading District is one of the communities that received support through the NEER project. Hira Khatiwada lives here with her family. Her house was destroyed and left uninhabitable by the earthquake and the family, including her young granddaughter spent months living in a makeshift tent in their fields. When asked about the support she received she told us:

“We did not have access to electricity for a while after the earthquake. We were so happy to get this solar lamp, it is very useful for me to carry out my household work, to go to the toilet and field, and carry water in the evening and early morning. It is a very bright light which is a good thing. I use the radio to listen to songs, it is nice to have music. My husband listens to the news. It works well, we normally use it for around three hours in the evening.”

Hira will not be defeated by the earthquake, she is positive about her future and intends to rebuild her family home.

“Now that I have access to water from the Hydrant, I am very interested in learning about micro irrigation technology so that I can grow more vegetables on my land. I want to grow more off-seasonal vegetables which have more value in the market so that I can increase my income, save money, and rebuild my house again. This is in my control.”

Our Programme Highlights 2015/16

Nepal

4 project sites selected for phase one of our **solar water pumping** (SolarMUS II) project due to benefit 1,740 individuals

8 district level Local NGOs selected and trained to support the second phase of our solar water pumping project at a regional level

3 community biogas sites selected and construction commenced **to bring clean cooking fuel to 18 households and 1 farm**

1543 individuals from 301 households **benefited from access to earthquake relief** support including solar lights and radios and vegetable seeds and agricultural training



7 damaged Hydrams restored following the Nepal earthquake

482 individual household biogas plants installed in 3 districts through the Initiative for Agriculture Productivity and Commercialization (IAPAC) project

Commenced work as a **consortium partner on the UK DFID funded global Building Resilience and Adaptation to Climate Change and Disasters (BRACED) project**, with project lead iDE Nepal



1 Hydram installed as a consultant to the iDE Nepal led Marketing Access and Water Technology for Women (MAWTW) project

423 individuals across three communities benefit from improved access to water as a result of the installation of 3 Hydrams with funding support from Ncell

86 individuals from local partners and stakeholders attend four district level **technical training and capacity building workshops** in relation to our Solar Water Pumping project

Kenya

6 solar microgrids completed in communities **on the shore of Lake Victoria** as part of our Comic Relief funded RESOLVE project

2 new solar microgrids sites selected as part of our new **Lighting Up Lake Victoria** programme with a target of 6 new hubs

110 households across 6 communities directly **benefit from access to electricity** from solar microgrids

30 new microenterprises using electricity to power their businesses and diversify their income

12 members join a super governing committee for the RESOLVE microgrids

1 Marketing Information and Communication Hub (MICH) bringing access to community technology to 500 people in Ng'ore community



72 solar microgrid committee members attended capacity building workshops to develop skills and processes to manage their new energy source

Bangladesh

1st project launched in Bangladesh. USAID funded Powering Aquaculture with partners' iDE Bangladesh aims to bring solar energy solutions for fish farming to 2 communities in Bangladesh directly benefiting 200 individuals.



Nicaragua

89 households interviewed as part of the Mahogany Project baseline survey

1 custom credit fund designed – the 'Renewable Energy Solar Credit Facility' – with project partners FADCANIC and blueEnergy to allow households and microenterprise to access credit for solar systems.



Renewable World supports the Sustainable Development Goals (SDG's)



Our work is directly contributing to the SDG's.

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



Our six principle impacts feed in to the Sustainable Development Goals:



SUSTAINABLE LIVELIHOODS & ENTERPRISE



IMPROVED HEALTH & WELLBEING



INFORMATION, EDUCATION & SKILLS ATTAINMENT



WOMEN & ADOLESCENT EMPOWERMENT



ENVIRONMENTAL SUSTAINABILITY



SHARING KNOWLEDGE & BUILDING CAPACITY

Our work contributes to other SDG's:



Our Areas of Impact



SUSTAINABLE LIVELIHOODS
& ENTERPRISE

Our work reduces energy costs and increases income for individuals and businesses.

Our goal is to ensure that communities are able to use clean energy technology to develop enterprise, improve their incomes and support sustainable livelihoods. By achieving this goal, we will help to realise SDG 1 End poverty in all its forms everywhere and SDG 8 Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.

Our solar lighting is typically 50% cheaper than traditional fuel such as diesel and paraffin, leaving families with more disposable income. All our projects include business training at their core so energy use also leads to activities that increase income.

1,652 people including 30 micro businesses are benefitting from energy access, through six community energy hubs in our pilot programme in Kenya - Renewable Energy Solutions for Lake Victoria Ecosystems (RESOLVE) On average profits have improved by 150%.



IMPROVED HEALTH
& WELLBEING

Our work contributes to improve health outcomes.

The transition from polluting and hazardous fuels to clean, sustainable energy means improved health and wellbeing of marginalised communities. In achieving this, our work feeds into SDG 2 End Hunger, achieve food security and improved nutrition and promote sustainable agriculture, SDG 3 Ensure healthy lives and promote well-being for all at all ages, and SDG 6 Ensure availability and sustainable management of water and sanitation for all.

By using Hydraulic Ram Pumps (HYDRAM) to pump water up the steep mountains in Nepal, not only are sanitation facilities improved but instances of injuries while collecting water are reduced. Plus, we help communities to improve their agricultural productivity all year round so they are no longer reliant on or limited to the rainy season. To date 1,500 people have benefited from our Nepalese HYDRAM water pumping programme.

482 families are also benefitting from our biogas systems which are used for cooking fuel, improving air quality in the home.



Our Areas of Impact



INFORMATION, EDUCATION & SKILLS ATTAINMENT

Our work contributes to better education for children and adults.

Through the provision of clean energy technology which lights homes or pumps water, we are able to increase the time available and improve the conditions for adults and children to study at home. Through specific capacity building and training opportunities we support individuals to develop new skills and to use the energy available to continue their access to information. In doing this, Renewable World will contribute to achieving SDG 4 Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

The provision of renewable energy such as pumped water or biogas reduces the time spent by women and children collecting fuel or water. Time saved can be spent on education and income generating work. By providing household lighting in many of our programmes, children (and adults) are also able to study in the evening.

Over 500 people have learned new skills and increased their income through our Marketing, Information, and Communication Hub (MICH) Programme which provides IT access to remote fishing communities in Kenya.



WOMEN & ADOLESCENT EMPOWERMENT

Our work increases opportunities for productive activities amongst women and adolescents.

Supporting the empowerment of women and adolescents is key to our work. Access to a reliable, sustainable source of energy means less time spent on domestic duties and more time available to spend on education or income generating activities. In achieving this, our work helps to realise SDG 4 Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all, and SDG 5 Achieve gender equality and empower all women and girls.

The full participation of women and adolescents is a prerequisite for our projects. The management committee for the community owned energy system must be gender balanced and include 30% adolescents for equality in decision making. Women and adolescents are also mandatory participants in our project training. Our emphasis on climate smart agriculture techniques is beneficial to women as these techniques are time efficient and easy to maintain.





Energy for Information

In 2015, as part of the RESOLVE Project, a solar microgrid was installed in Ng'ore village in Kenya. With this access to energy came improved health, education, and incomes for the community, but it also promised the potential for more.

Recognising this opportunity, Renewable World and project partners FASCOBI and OSIENALA held discussions with the youth of the community to explore business opportunities. From these discussions the Marketing, Information and Communication Hub (MICH) project was born, providing low wattage computers, internet and printing services to community members.

Sitting in the MICH, Kevin speaks passionately about how access to computers can change lives. He had grown up in the village before moving away to study a Bachelor of Sciences in University. After hearing about the MICH, he returned to volunteer as a computer teacher.

"I am very proud of the MICH. I train and tutor children and adults from around here... introducing them to the computer world. We are trying to move this community into another world with computers. It is the future, if you are computer illiterate, then you cannot survive. I have introduced around 60 people here by running evening classes...and we are actually trying to engage more youth from different schools."

Aside from fishing, there is little opportunity for young Kenyan men, with Ng'ore being just one of the 93% of beach landing sites on the Lake that did not have access to electricity. Thanks to the microgrid this new enterprise now provides an alternative for young people in Ng'ore. Renewable energy has provided opportunities that few thought was possible.

Our Areas of Impact



ENVIRONMENTAL SUSTAINABILITY

Our work delivers positive and sustainable environmental impacts.

It is impossible to achieve our own targets, as well as contribute to the various Sustainable Development Goals, without tackling the issue of climate change. As such, our focus on supporting communities to access clean, renewable and sustainable sources of energy is integral to enabling communities to lift themselves out of poverty whilst ensuring positive action against climate change. Whether in Central America, East Africa, or South Asia, our work is a response to SDG 7 Ensure access to affordable, reliable, sustainable and modern energy for all, as well as SDG 13 Take urgent action to combat climate change and its impacts. Through our projects focused on water access we respond to SDG 6 Ensure availability and sustainable management of water and sanitation for all.

As well as the direct impact our project has on reducing the use of dirty and solid fuels, each project includes a significant community training activity and promotes sustainable management of natural resources. In all our water pumping projects develop integrated water resource management plans and take action to protect and restore water sources and ecosystems.

In Nepal, our Community Owned Biogas for Livelihood Enhancement (COBLE) Programme has benefited 495 people, minimising the need to collect firewood and reducing carbon emissions.



SHARING KNOWLEDGE & BUILDING CAPACITY

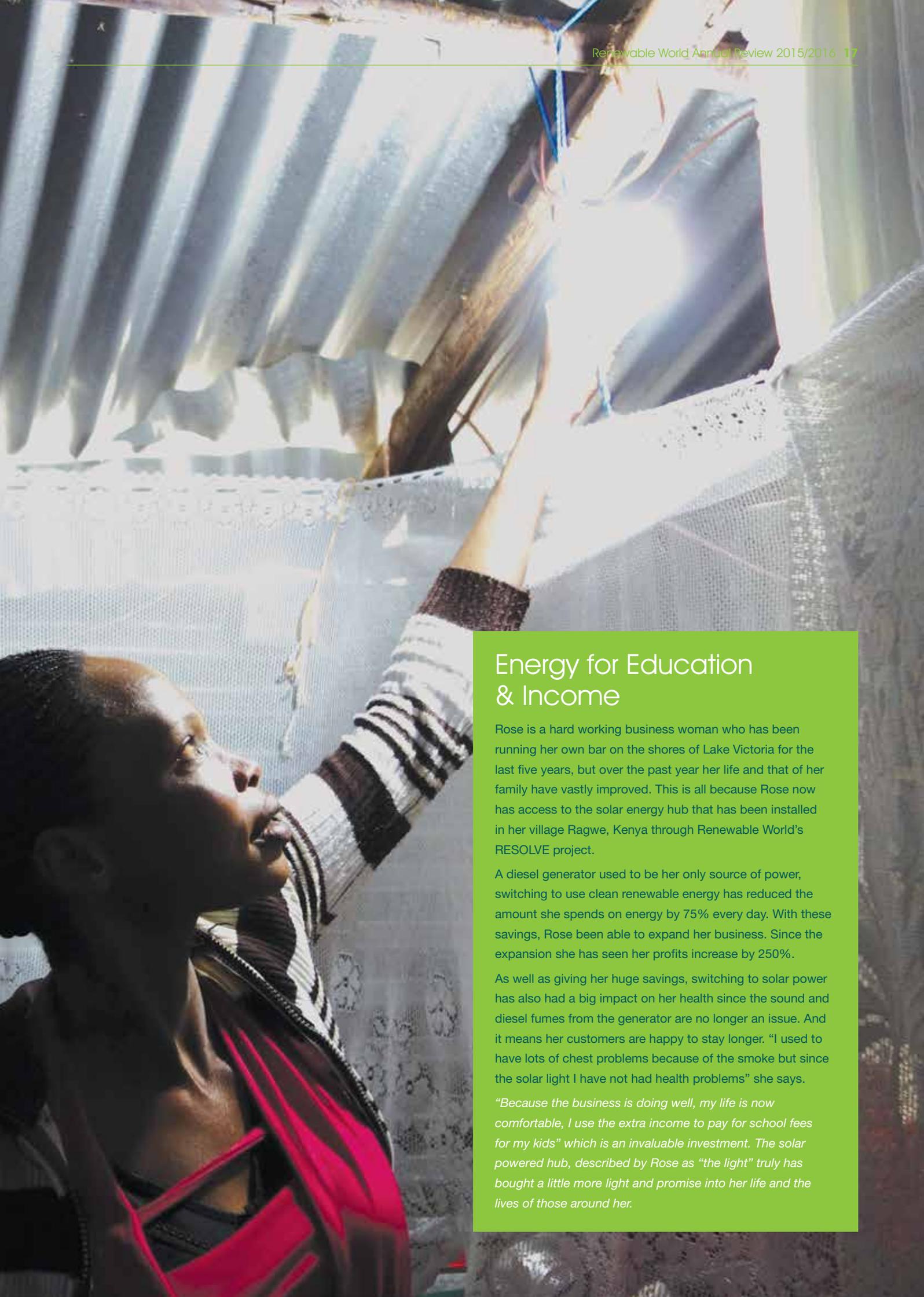
We generate knowledge which helps to improve the impact of renewable energy on poverty alleviation.

Through testing, adapting and learning, we have advanced global understanding of how renewable energy best contributes to poverty alleviation. Through training and by sharing our well-developed toolkits for delivering clean energy for poverty alleviation, the capacity of our partners is built and we contribute towards achieving SDG 17 Strengthen the means of implementation and revitalise the global partnership for sustainable development.

Specifically, Renewable World helps to mobilise financial resources through a range of financiers; improves access to technological innovations, supports technology transfer and develops the capacity of implementing partners in the countries we work in.

We have helped to establish cross-community energy user groups. In Kenya, the management committees within the six RESOLVE project communities have come together to establish a Saving and Credit Cooperative (SACCO) responsible for overseeing and managing energy systems. This new independent organisation is funded by each community energy group with the potential to borrow and invest in new technology and income generating opportunities at each community. In Nepal district level workshops have brought together stakeholders to share knowledge and learning from clean energy projects.





Energy for Education & Income

Rose is a hard working business woman who has been running her own bar on the shores of Lake Victoria for the last five years, but over the past year her life and that of her family have vastly improved. This is all because Rose now has access to the solar energy hub that has been installed in her village Ragwe, Kenya through Renewable World's RESOLVE project.

A diesel generator used to be her only source of power, switching to use clean renewable energy has reduced the amount she spends on energy by 75% every day. With these savings, Rose been able to expand her business. Since the expansion she has seen her profits increase by 250%.

As well as giving her huge savings, switching to solar power has also had a big impact on her health since the sound and diesel fumes from the generator are no longer an issue. And it means her customers are happy to stay longer. "I used to have lots of chest problems because of the smoke but since the solar light I have not had health problems" she says.

"Because the business is doing well, my life is now comfortable, I use the extra income to pay for school fees for my kids" which is an invaluable investment. The solar powered hub, described by Rose as "the light" truly has bought a little more light and promise into her life and the lives of those around her.

Bringing Solar Power to the Kenyan Shores of Lake Victoria

Solar Microgrid

A community solar microgrid is a small and discrete energy system, owned by the community, that provides electricity to households and small businesses. Solar technology is ideally suited to Kenya where the hours of sunshine each day are constant throughout the year and expansion of the National Grid is still limited. The microgrids, installed by Renewable World are simple steel frame structures that hold the solar panels and a control box housing the batteries, charger and energy distribution systems. Initially, they have a capacity of between 1.5 kw and 2.0 kw, which can be expanded, and can support up to 50 connections.



The RESOLVE project

With funding from Comic Relief, and with our partners FASCOBI and OSIENALA, Renewable World installed six microgrids as part of the Renewable Energy Solutions for Lake Victoria Ecosystems (RESOLVE) Project. The project, launched in 2013, aimed to improve health, incomes, and education and diversify livelihoods in six fishing communities along the Lake's Kenyan shore. The wide reaching impacts of access to electricity are set to directly benefit over 1,600 people across the six communities by the end of 2016.

Partner Roles

FASCOBI supported the communities to establish legal entities with an elected committee, governing constitution and bank account. OSIENALA provided governance and financial management training. Only once each legal entity is formally established can the first round of energy connections for households, businesses and fishing cooperatives be installed. Affordable Energy tariffs were carefully set. This is an essential step to ensuring the project's sustainability and guarantees that funds are available for necessary repairs and on-going maintenance.

Innovative Mobile Technology

Energy consumed was billed through an innovative 'pay as you go' scheme using M-Pesa- a mobile based money transfer service, widely used in East Africa. This proved popular as it allowed each new energy consumer to only pay for the energy they need, as they need it. Each financial transaction is transparent and secure as no actual cash changes hands.

Community Enterprise

The positive impacts of access to energy have been immediate and clear. Villagers have both expanded existing businesses and set up new ones, including phone charging stations or kiosks selling chilled drinks (sodas). Each fishing cooperative was supplied with a freezer for fishermen to chill their catch, helping to ensure that fish retains its highest value. In one community, a local women's group has trialled a solar water pump to irrigate their land and grow higher quality and value vegetable crops for market.

Lighting Up Lake Victoria

Our next step is to expand the number of connections at each project site, bringing renewable energy to the maximum number of families possible within each village. We have just launched an ambitious new programme called Lighting Up Lake Victoria. Our target is to achieve "10 in 10" – ensuring that 10% of fisherman's cooperatives and 100,000 people living in all countries on the Lake have access to energy within 10 years. We ask you to join with other supporters of our work and help us to make this target a reality. If you are interested in learning more, please get in touch.



Our microgrids can support up to 50 connections



Energy for Business

The lively fishing village of Got Kachola on the Kenyan coast of Lake Victoria, is one of the communities where Renewable World installed a solar microgrid in 2015. For the first time ever the community got access to electricity and the cheap, clean, and reliable power is now lighting homes and businesses. Linet is a hairdresser:

"Business is very good. Since power has come to my business, my profits have trebled. With electricity, I can now offer my clients a blow-drying service and charge extra for this unique service."

Linet also sublets a corner of her shop to a seamstress and the light from her bulb allows both women to work as late as they like, spreading the benefits of the electricity even further. Without power in the community, people had to send their phones to the nearest town to get charged. The journey with a local motorbike taxi would cost them 100 shillings, and the phone charging would cost extra. Now, villagers go and see Linet in her salon:

"I also charge mobile phones for my clients while they wait, I charge 10 Kenyan Shillings per phone and this has become an additional business for me. This is good for me and for them."

Bringing Water and Income to the Hills of Nepal

The Hydram

The Hydraulic Ram Pump (Hydram) is an ingenious water pumping device using pressure created by falling water to drive a portion of water uphill to a much greater height than the source. It is a clean and simple technology which is easy to operate. It is ideal for the mountainous terrain of Nepal where communities often sit high above a water source, having to rely on increasingly unreliable rain-fed agriculture. On average, pumps installed by Renewable World in Nepal have the capacity to lift water 80 vertical metres and pump between 8,000 to 37,000 litres of water per day (enough to fill 7,000 watering cans).



Hydram Programme

With our partners Centre for Rural Technology – Nepal (CRT/N), we began testing the Hydram in 2010, with technology used and developed in the Philippines. To date, we have installed 10 Hydrams across Dhading and Syangja Districts through three pilot projects. We have worked closely with communities to link these pumps to micro-irrigation technology (MITs) and other climate-smart innovations, enabling households to increase their production of high-value vegetable crops, especially in the dry season.

Establishing Good Governance

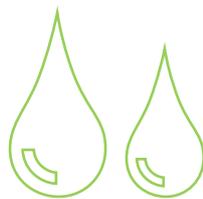
We helped each community form and legally register an elected Water Users' Committee with an equal gender balance. This Committee is responsible for managing the pump, ensuring fees are collected, maintenance carried out and water is used appropriately. We have provided the Committee with training in good governance, financial management, and agri-business development. We also linked growers with markets, resulting in increased sales of their produce and improved incomes.

Innovations from our Programme

With funding from Nepal's largest mobile phone operator Ncell, we successfully installed three Hydrams in Syangja district delivering water for farming and domestic use to 426 people. Incorporating key learnings from our Kenyan programme, we designed and piloted a pay-as-you-go system in one Hydram site to collect fees from community members. The water is metered and households pay only for what they have used.

Expanding our Water Pumping Programme

So far, over 1,500 people, 250 households and two schools have benefited from improved water access thanks to this simple, cheap and easy to maintain technology. We aim to take our Hydram project to scale, and ultimately reach many thousands more households across Nepal. If you are interested in learning more please get in touch.



Our pumps installed in Nepal pump up to 37,000 litres of water per day



Energy for Irrigation

In the village of Eladi in Syangja district, 32 families now have access to a reliable source of water thanks to the HyDRAM that was installed in 2015. Previously, women like Yo Maya Gurun had a hard life balancing their daily domestic chores with finding time to collect water.

"Before the HyDRAM was installed it was difficult to irrigate our land as we were dependent on rainfall, however this has now changed and our life is much easier and better".

By bringing water directly to the community and by providing agricultural training and tools Yo Maya and other women have opened up new avenues for income for their families and expanded their knowledge of the market.

"I now grow vegetables using a micro-irrigation technology. It is very easy to use and I can now produce another crop in dry season with the water pumped from HyDRAM. In the last dry season, I grew climbing crops such as cucumber, bitter melon, French beans and tomato and earned NPR 14,000 (Approx. £100) by selling them at market. This extra income makes a big difference to my family. I also have learnt a lot from the training given by the project. I have learnt how to prepare a nursery and use the drip technology, and how to sell my crops at the market to get best value for the produce."

Project Partners

Partner Focus

FASCOBI is our local implementing partner supporting community mobilisation and engagement on the RESOLVE project in Kenya. Pastor Gilbert Ang’ienda, Project Manager, recently said of our partnership:

“People are always concerned about big development projects, but with Renewable World we found out that they wanted to start small, but engage the community in their activities from the very start. This allows the community to build confidence and own the programme. Our relationship with Renewable World has been a very interesting one, they approached us with openness and clarity. I think the sky is the limit on how much we will be able to do together.”



Partnerships

Renewable World’s work is made possible by building strong partnerships in each of our programme regions to implement and deliver our projects.

Partner Diversity

Our partners range from Local and National NGO’s (such as FASCOBI and OSIENALA in Kenya, SAPPROS and CRT in Nepal) to International NGOs (such as iDE Nepal), commercial enterprises (SunFarmer), technical suppliers (BSP and Access Energy), financial institutions (NMB Bank) and government bodies (AEPD Nepal).

Partner Roles

Working with partners allows us to extend our reach, enabling us to connect with a greater number of communities across wider areas. Together we deliver clean energy systems in a sustainable and high quality manner whilst using our frameworks to build the skills and knowledge of local partners, ensuring greater long-term sustainability. In the last year 11 partners have directly supported the implementation of our projects across our regions. We are grateful for the knowledge and expertise that each of our partners bring to our work.

Working as a Renewable Energy Specialist

Renewable World are proud to be the chosen clean energy specialist for a number of significant project partnerships, bringing our technical expertise along with our tested community implementation and sustainability tools to each of the projects. This includes being a consortium member in a three year DFID funded project BRACED (Building Resilience and Adaptation to Climate Extremes and Disasters) programme led by iDE UK; a consortium member the EU funded IAPAC (Initiative for Agriculture Productivity and Commercialization) Project led by ADRA Nepal; A clean energy consultant to the USAID-funded MAWTW (Market Access and Water Technology for Women) Project led by iDE Nepal.





Taking Action to Tackle Energy Poverty

Our supporters have gone the extra mile this year to raise awareness and funds for Renewable World. Here is a round-up of some of the highlights of the year.

Earth Wind & Tyre

In 2015, Renewable World hosted its first Earth Wind & Tyre cycle challenge. Taking place over two days, this 200-mile cycling event brings together teams and individuals from across the renewable energy industry and beyond to raise funds for our work. In celebration of clean energy, the route passes by 10 iconic windfarms as it winds its way up from Durham to Edinburgh. Riders are treated to magnificent countryside, a night in the beautiful Kielder Forest and a relaxing stop at Floors Castle before finishing on the historic Royal Mile in Edinburgh.

In its first year the event raised an incredible £55,000 thanks to the fundraising efforts of the 47 participants and generous corporate sponsorship from 7 companies including Vestas, EDF-ER and RES.

Earth Wind & Tyre is now an annual event in the Renewable World calendar. If you are interested in being a participant or sponsoring the event get in touch



Yellowwave's Beach Volleython

In March 2016, 24 eager volleyballers from the Yellowwave Beach Sports Venue in Brighton valiantly played their longest match ever. Over a 12 hour volleython the teams raised £5,000 for Renewable World.

"We extremely proud are to be able to support Renewable World. Their values are ones that we felt really reflected those of the Yellowwave community – supporting others to empower themselves. We hope our help can make a difference even if it's just a tiny ripple in the great wave of work Renewable World is doing." Katie Mintram, Director, Yellowwave Ltd



Scottish Renewables Green Energy Awards

In December 2015, Scottish Renewables opened the doors to the biggest celebration of the renewable energy industry in Scotland. Renewable World was delighted once again to benefit from the raffle at the fourteenth Scottish Green Energy Awards – a prestigious ceremony organised by Scottish Renewables and attended by over 1,200 guests from the global renewable energy industry.

We were delighted that over £15,000 was raised for two charities including Renewable World in one evening.



Cycling for Energy

Christian Egal, former Renewable World trustee and Former CEO EDF Energy Renewables was integral in designing the Earth Wind & Tyre cycle event. He took part in the event along with a team from EDF ER.

“For several years, I used to participate with colleagues from EDF Energy Renewables in various large sportive events to support Renewable World. The idea of Earth Wind and Tyre was to create our own event, and to gather people from the renewable industry on a route passing iconic wind farms. It makes so much sense to make the direct link between what we all do in the UK to develop a sustainable future and what the Renewable World team does in developing countries to give access to power through renewable energy. The ride has been a real success for the riders and the charity, and I am very proud that it has become our annual sportive event”.

To get involved:

Please contact us on

01273 234 801

events@renewable-world.org

www.renewable-world.org

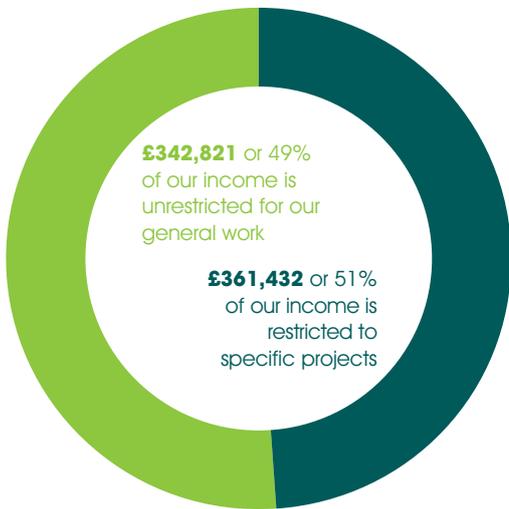
or follow us on



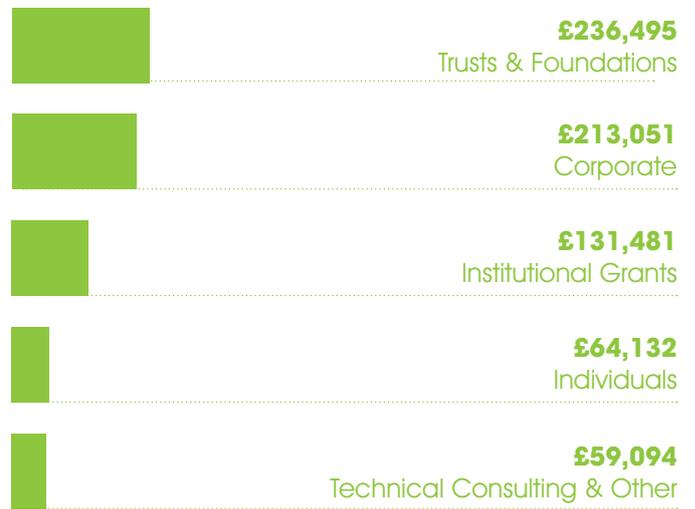
Income

£704,253*

Funding Type



Donor Type



Thank You

We would like to thank everyone who has taken part in fundraising challenges this year, as well as the trusts and other organisations whose donations make our work possible. Your generous support is much appreciated.

The following donors kindly gave £1,000 or more in the year 2015/16:

6 Alpha Associates Ltd, A.M. Perry Charitable Foundation, Andrew Tsang Consortium, Beyond Me, C.A. Blackwell Ltd, C.F. Gibbs, Clare King Charitable Trust, DIT K.M. Harbinson's Charitable Trust, M.Millyard Charitable Foundation, Mitchell Trust, Mitsubishi Power Systems Europe Ltd, Next Energy, Rampion, Renewable Energy Systems Ltd, T.D. Paton Trust, Taylor Hopkinson, The Bower Trust, TNEI Service.

Our **Corporate Friends** below have committed to give significant multi-year unrestricted donations to enable us to build the capacity of Renewable World. They also provide valuable technical and other resources.



Category



The following organisations supported our projects through substantial multi-year grants: Big Lottery Fund Grant for SolarMUS water pumping in Nepal (£51,163 recognised in 2015/16), including an extension for repairs following the earthquake; Comic Relief for our RESOLVE project in Kenya (£68,971 recognised in 2015/16); Peter Sowerby Foundation (£26,456, granted in 2015/16) and Mitsubishi Corporation Fund for Europe & Africa (£30,000 recognised in 2015/16) for our Lake Victoria community own solar Energy Hubs programme; and Genesis Foundation for our Mahogany community and household lighting project in Nicaragua (£44,664 recognised in 2015/16).



Expenditure

£618,735*

Spending by Activity



73% of total expenditure is **on our programme**

£59,213 more spent on the programme than last year

27p in each £1 spent on **building the future income stream** to fund our ambitious programme

11 local and national partner organisations from three countries were granted a total of £158,059

Average of **12 full time staff** including 9 working on the programme

Governance

Our Approach

Good governance is critical for the effective operation of a charity working on international development programmes. In Renewable World good governance starts with having a clear and common purpose and a set of values, recruiting the right experienced, qualified and dedicated people, underpinned by appropriate systems, policies and procedures.

Whilst all in the organisation have a role in good governance, the Trustees are legally responsible for it. Therefore, during the 2015/16 year of review the Board of Renewable World met seven times face-to-face for a total of 24 hours. The major topics covered included:

- Strategy
- Finance, cashflow and budgeting
- Audited accounts
- Programmes and project approvals
- Monitoring and evaluating our programme impact
- Security, disaster management and continuity planning
- Complaints management

In addition, three dedicated strategy sessions were held with Board members and senior staff during the financial year. The Board delegate detailed review and discussion to sub-committees, which in turn make recommendations to the Board. The committees, their roles and meetings are as follows:

Programmes Committee: Supports the programmatic direction of the organisation including oversight of programme, technical strategies and priorities. It signs off on new concepts, tracks programmatic progress, programme liabilities and monitoring and evaluation. The Committee met four times in the financial year.

Fundraising Committee: 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. The Committee met five times in the financial year.

Finance Committee: Provides specific input, assistance and advice to the administration and Board on financial issues including budget management and financial policies and procedures. The Committee met seven times in the financial year.

Ethics Committee: Provides a critical look at the organisation and serves to ensure that issues of Ethics and Sustainability are addressed. The Committee met twice in the financial year.

Our Board

During the year the composition of the Board has changed from ten Trustees at the beginning to nine Trustees at the end of the year as longstanding Trustee Christian Egal moved abroad, but continued as an energetic Ambassador of Renewable World. We have also strengthened the terms and the capacity of the Finance Committee and Fundraising Committee with new members. Finally, we have begun a comprehensive strategy review process, with diverse stakeholder engagement and a thorough business planning process.

During 2016/17 we will continue to work on rolling out our strategy and business plans, improving our internal systems, developing our staff and introducing robust risk management process.

During the 2015/16 financial year the Board of Renewable World consisted of:

Gemma Grimes, Christian Egal (*resigned 9th August 2015*), Alex Hassan (*Chair*), Catherine Adams (*Treasurer*), Sarah Donnelly (*Vice-Chair*), Stephen Balint, Patrick Davis, Louise Heaps, Jeremy Taylor, Peter Weston, Matthew Stubberfield acted as Company Secretary



Funds

31st March 2016

In 2015/16 we grew our funds to **£423,087**

£79,750 of funds were **retained for future use**, the majority are restricted funds **for use in our 2016/17** programme



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

Through growth of fundraising income and our programme **we intend to build these unrestricted reserves** appropriately to our long term operational requirements and to **de-risk our programme from shocks by targeting six months unrestricted funds.**

Thanks

Our Partnership with the Renewable Energy Industry

In 2007, Renewable World was born out of the passion and commitment from individuals of the renewable energy industry in the UK and Ireland. We are proud of the links we still have with the industry today and the considerable impacts we have had together bringing clean, cheap and reliable energy to many around the world. We want to take this opportunity to thank our many friends, past and present, from within the renewable energy industry. Here's what a few of our Corporate Partners say about joining Renewable World to achieve Power for All.



"RES has supported Renewable World for many years. They are our corporate charity and we are proud sponsors of Earth, Wind & Tyre and give matching contributions when our staff engage in Renewable World sporting events. Stephen Balint, our Programme Director, is one of their valued Trustees."

Carolina Karlstron, Head of Sustainability, RES



"We're proud to support Renewable World and the fantastic work it does. One of the highlights for us is the Earth, Wind & Tyre cycling event which we supported in its inaugural year. As well as a great team building event it's given us the chance to help make a real difference to communities in the developing world."

Robin Comrie, UK Director, Cathie Associates



"We're delighted to continue our support for Renewable World in their valuable work. RenewableUK offers Renewable World's carbon compensation service to delegates who attend our events. Initiatives like this serve as a constant reminder that we can all take responsibility for the impact we have on the environment by taking proactive steps to offset our carbon footprint."

Hugh McNeal, Chief Executive, RenewableUK

Thank you to everyone who has been part of our journey to bring access to renewable energy to those who can least afford it but most need it.

Strategy and Looking Ahead

Over the last couple of years, we've successfully laid strong foundations to progress towards our vision. We've proved our technologies and community models in the field, developed key partnerships, won significant funding and built solid, motivated teams. We are now at the start of the next phase of our development, where we plan to innovate and scale up, capitalising on the value we have created to meet ambitious new targets. To that end, we are setting ourselves a major challenge. By 2021 our goal is to have enabled 100,000 people to lift themselves out of extreme poverty by transitioning to clean, sustainable energy.

This means doubling our delivery. We are still a small charity, and this is a pragmatic goal designed to build on our achievements to date. We understand that the external environment is rapidly changing. There is a need to scale up in order to realise our ambitions and those of our stakeholders. Growing entrepreneurialism within the poorest communities and the commitments made under the Sustainable Development Goals (SDG's) and UN Framework Convention on Climate Change (UNFCCC) offer distinct opportunities for building momentum and resourcing.

We now plan to strengthen our approach in several distinct ways:

Strengthen our work through partnership: We recognise that we are a small charity working internationally and do not want to compromise our on the ground expertise and reputation. To scale up our delivery and expand our reach, we plan to enter into strategic partnerships with key development organisations working on livelihoods and/or water sustainability. With our premise being to empower communities, we will also continue to encourage innovation through building partnerships.

Expand our scope: In Kenya and Nepal we have built up solid and well respected field based programmes. At present these two regional hubs present the greatest need and opportunities for growth. Future expansion of our proven programme will be against a set of criteria explored in neighbouring countries, for example, Bangladesh and Tanzania.

Create sustainable financing opportunities: The fundraising and NGO environment is changing and over the course of the next five years we will gradually explore new and appropriate business models to leverage alternative sources of capital such as equity and community microfinance to support our mission.

Our ambitions in practice: In scaling up, we aim to achieve strong ambitions for thousands of people in some of the world's poorest communities in South Asia and East Africa. We will support them to lift themselves out of extreme poverty by providing clean sustainable energy and creating opportunities for new energy dependent business ventures. In doing so, we aim to achieve measurable increases in the amount of:

- Kilowatt hours (kwh) of new sources of clean energy made available to community members; (aligned to SDG 7- Affordable and Clean Energy)
- Additional income generated as a result of new energy dependent businesses; (aligned to SDG 8- Decent Work and Economic Growth) and
- Clean water made available through renewable energy driven pumps (aligned to SDG 6- Clean Water)

Our success in achieving these goals will in turn lead to improvements in community wellbeing and empowerment, supporting a long-term shift away from extreme poverty.

Finally, aligned to the targets of the SDG's in 2030 over the next year we will refine our longer term goals to be even more ambitious, by finding new ways to apply what we know works, through partnering, adopting new finance models and scaling and innovating in other ways. This way, we can reach the most beneficiaries we possibly can and this is where we will really need your help, your creativity and your commitment.





Join us in the fight against poverty

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