

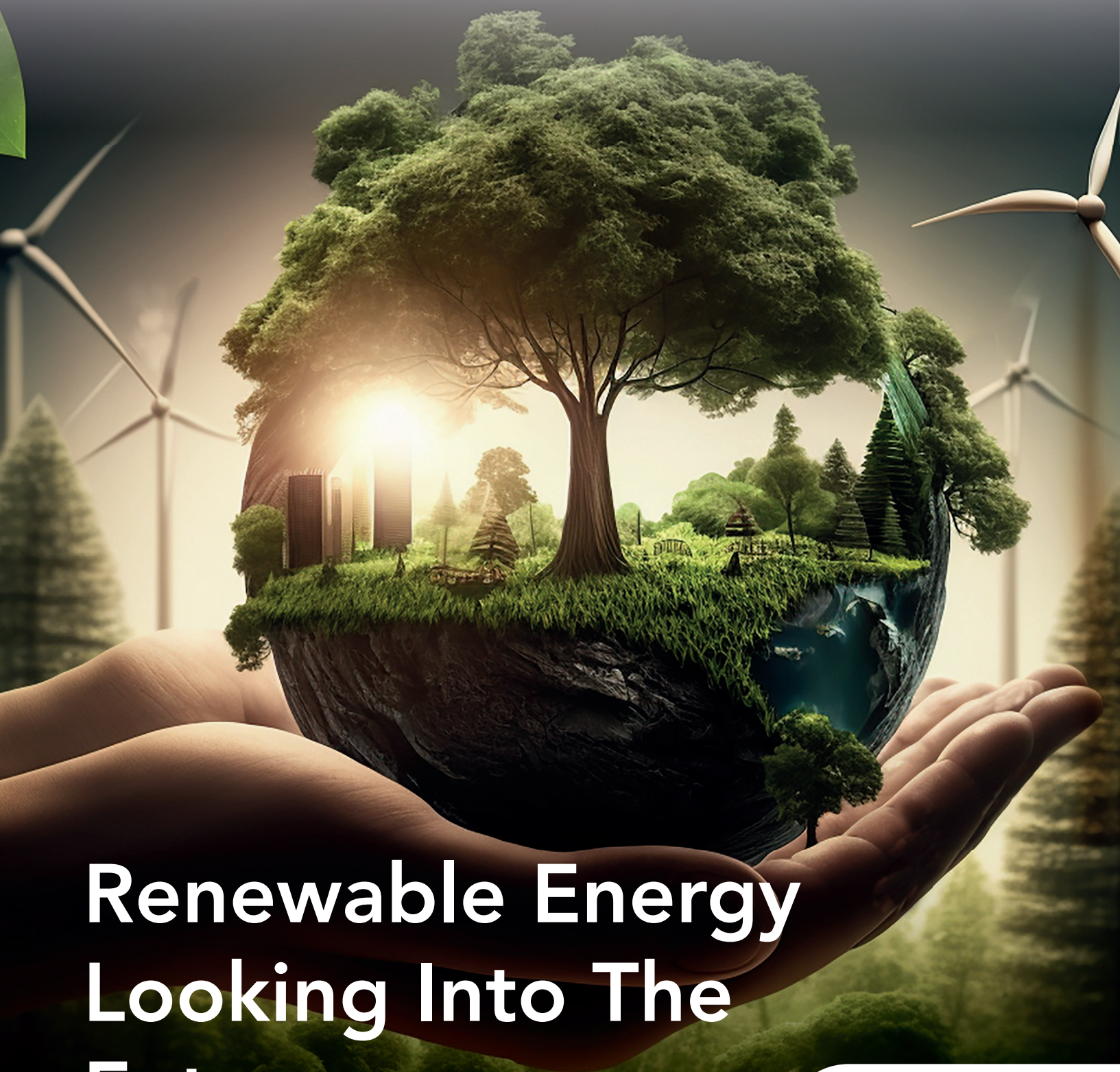


April - June 2023

The Highlight

Quarterly Newsletter

Issue No. 12



Renewable Energy Looking Into The Future



INSIDE



04

**Harnessing The Sun: Solar Powered
Mini-Grid Illuminates Buna, Wajir
County**

06

**Championing The Use of
Renewable Energy Technologies
For a Sustainable Future**

10

**Observe, Preserve & Conserve.
Are We Environmentally
Responsible?**

14

**Rural Electrification Projects'
Updates**

16

Improving Productivity at Work



Editor:
Wangari Githii

Editor-In-Chief:
CS Dr. Rose Mkalama

Design & Print:
Avant Communications
Isaac Gicheha



Copyright © 2023 REREC

Reproduction of this publication for educational and other non-commercial purposes is authorized with written permission from the copyright holder provided the source is fully acknowledged.

Reproduction of this publication for resale or other commercial purposes is prohibited, unless with written permission of the copyright holder.

Editor's Note

Welcome to the last edition of The Highlight for the year 2022/2023. As we find ourselves in the midst of a new season, we are delighted to bring you a collection of exciting updates, inspiring stories and interesting innovations that we hope will captivate your imagination.

Over the past three months, the Corporation has gone through successes and great achievements, from partnerships, to transforming rural areas and even the completion of a solar mini-grid in Buna, Wajir County.

The year ended on a high note as we had interesting stakeholder interactions at the annual ASK Show in Meru, where we scooped 1st and 2nd place positions in different categories. We also had an opportunity to interact with delegates from various counties and government officials at the 3rd Kenya International Investment Conference KIICO.

During this period, REREC also signed an MOU with the County Government of Bungoma on the Matching Fund programme, where we get to collaborate to light up villages of Bungoma County, an opportunity we are excited about. The County Government of Elgeyo Marakwet is also courting the Corporation for similar collaborations.

Now onto techy news, we take a peek at what the future will look like! We delve into the ever-evolving world of renewable energy, exploring the need for investment and possible reasons for the rapid growth of the adoption of green energy in the world.

Enjoy reading these and more articles in this issue of The Highlight. We invite your feedback, suggestions, and contributions as we would like to ensure that our newsletter remains a valuable source of information and a platform for meaningful exchange.

Happy reading!



Wangari Githii
Editor



RERECKenya



RERECMashinani

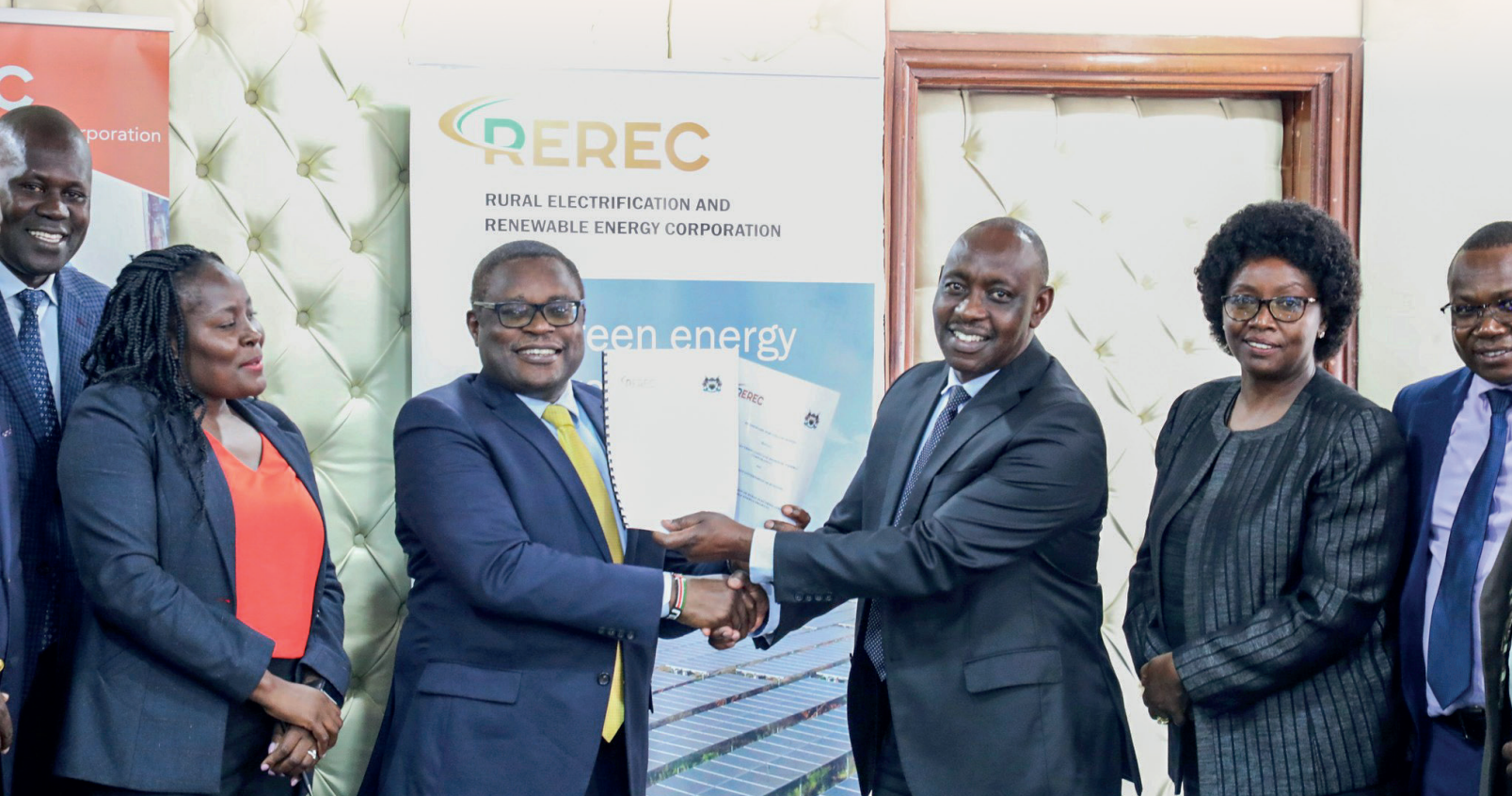


REREC_Kenya



RERECMashinani

Power in Collaboration;



Bungoma County Governor, Hon. Kenneth Lusaka (third from left) and REREC CEO, CPA Peter Mbugua (third from right) during the signing of the matching fund MOU.

Accelerating Rural Electrification Through Partnerships

By Kioko Maithya

The journey towards achieving 100% rural electrification in the country has been steady but sure.

REREC is mainly funded through the exchequer to implement rural electrification and renewable energy projects in the country. With the ever growing population and budget deficiencies, there has been need to create innovative ways to supplement the budget.

The Corporation has identified a means to achieve this by incorporating the County Governments and Constituencies through the Matching Fund programme, which involves participation through cost-sharing where REREC matches a

“ Since 2016/2017 financial year, the Corporation has executed **847** matching fund projects at a cost of **Ksh 2.3 Billion**, out of which a total of **Ksh. 715,680,453.75** was contributed by the counties.

shilling for every shilling contributed by the County Governments and National Government's Constituency Development Fund (NGCDF) to finance projects to a tune of Ksh. 5 million per constituency.

This kind of partnership supplements the traditional funding, and enables the Corporation to implement more projects within a shorter period.

Recently, Bungoma County Governor, Hon. Kenneth

Lusaka signed a Ksh. 90 Million Memorandum of Understanding with the Corporation, making Bungoma the newest entrant to the Matching Fund bandwagon.

Through this partnership, Bungoma County will contribute Ksh. 45 million and REREC will then match with an equal amount. The funds will be used to implement rural electrification projects in priority areas within the county.

Speaking during the MoU signing ceremony, Governor. Hon. Kenneth Lusaka noted that this will be a new dawn for the people of Bungoma adding that the electrification projects will greatly improve the socio economic dynamics of the county.

The MoU further amplifies the importance of collaborations to establish an Energy Center in the county as well as provide platforms for capacity building on matters related to energy conservation, clean cooking, and promotion of renewable energy technologies.

“This will also promote the development of appropriate local capacity for the manufacture, installation, maintenance and operation of alternative technologies such as bio-digesters, solar systems, turbines and other renewable energy technologies”, Governor Lusaka added.

REREC CEO, CPA Peter Mbugua was excited about the partnership adding that it is a great step towards spearheading Kenya's renewable energy drive and implementing rural electrification projects. The CEO guaranteed the Governor that the Corporation will implement the projects within the shortest time possible.

In other news, we are happy to note that Elgeyo Marakwet County Government is also warming up to the Matching Fund collaboration!

Led by the Governor, H.E. Wisley Rotich, the county delegation paid a courtesy call on the REREC CEO to discuss possible areas of collaboration. The two parties discussed the application of the matching fund programme as a means to effectively light up homesteads and public facilities within Elgeyo Marakwet county. Other strategic discussions revolved around land acquisition for the development of an Energy Center in the County, capacity building among others key deliberations.

This being an inception meeting, both parties are excited and look forward to the actualization of



the partnership for the benefit of the citizens within the different constituencies in Elgeyo Marakwet.

The Matching Fund programme has been a great success and has enabled the Corporation implement additional projects.

Since 2016/2017 financial year, the Corporation has executed 847 matching fund projects at a cost of Ksh 2.3 billion, out of which a total of Ksh. 715,680,453.75 was contributed by the counties.

The counties that have already partnered with REREC on this program are: Bomet, Busia, Embu, Kakamega, Kiambu, Kilifi, Kirinyaga, Kisumu, Kitui, Machakos, Makueni, Meru, Nyandarua, Nyeri, Tharaka Nithi and Vihiga. A number of other counties are currently at preliminary stages of engagement.

REREC has also partnered with the National Government Constituency Development Fund (NG-CDF) to carry out projects in 36 Constituencies including; Borabu, Chuka Igambang'ombe, Eldama Ravine, Emuhaya, Funyula, Hamisi, Kajiado East, Kajiado South, Kanduyi, Kesses, Kieni, Kiharu, Kitui Central, Kitui South, Kitui West, Kitutu Masaba, Lunga Lunga, Maara, Maragwa, Masinga, Matayos, Matungulu, Mogotio, Moiben, Mukurweini, Mwala, Naivasha, Ndaragwa, Ol Joro Orok, Runyenjes, Sotik, Suna West, Teso North, Teso South, Tharaka and Wundanyi.

We look forward to collaborating with more county governments and constituencies as this will help the country fast track the attainment of the 100% rural electrification goal.



Elgeyo Marakwet County Governor, H.E. Wisley Rotich (left) during a courtesy visit to REREC CEO CPA Peter Mbugua (right)



Buna Solar Mini-Grid, Wajir County

Harnessing the Sun; Solar Powered Mini-Grid Illuminates Buna, Wajir County

By Owen Chiaji

Over 400 residents of Buna Sub County in Wajir County are set to experience a new dawn after the completion and commissioning of a solar powered mini grid in the region.

Since commissioning of the project in May 2023, three hundred and twenty (320) beneficiaries have already been connected and are enjoying the transformation. The project targets to connect four hundred (400) beneficiaries, ranging from households, schools, health centers, mosques, police posts, and other public facilities.

The Buna mini-grid model has an extensive low voltage network with five (5) transformers and offers a reliable and clean power supply with an estimated annual generation of 470MWh from solar PV and a robust battery bank with a daily usable capacity of 690kWh.

The off-grid station will benefit several trading centers including Malkagufu, Fullo, Masalale, and the amenities therein. Institutions such as Fullo, Idoroble, Funambua, and Malkagufu Primary Schools are now connected to the mini-grid, while nearby towns including Ajao, Bute and Helu are also set to

benefit and develop greatly because of this installation. Notably, trade and investment is quickly picking up in the region, with small-scale businesses tapping into the supply to grow and expand their operations and earnings.

The Buna Solar Mini-grid project was conceptualized when the local leadership of Buna town identified the area as a priority project area requesting Rural Electrification and Renewable Energy Corporation (REREC) to develop an independent power supply system to provide electricity for the town. This project seeks to address challenges in the service industry such as health and

education, improve security as well provide easy access to water for the community.

The electricity connection will offer a solution to the water challenge occasioned by the changing weather patterns that have caused persistent drought in the area which ravage both livestock and human population severely.

Located one hundred and fifty (150) kilometers from Wajir town, Buna has recently experienced a surge in settlements, by being the gateway between Wajir and the populous border town of Moyale, which connects Kenya to Ethiopia. The development of the mini-grid will see the area open up more and even create a business center at the boarder point, bringing economic development and creating better livelihoods for the families in Buna.

The 300KW (AC) Power plant is supported by five hundred and sixty (560) Solar panels. An 80kVA backup diesel generator is also on standby to ensure uninterrupted power supply to beneficiaries in town.

REREC has successfully developed 27 mini-grids in the northern part of Kenya; Turkana, Wajir, Garissa, Mandera and Marsabit Counties. The projects are serving over 4,000 customers and provide other socio-



Lead Engineers, Eng. Maxwell Ngala from REREC (fourth left standing), Eng. Geoffrey Achola of Kenya Power (third left front row), Eng. Kennedy Gachau of Kenya Power (third left standing) and team during the inspection and commissioning of Buna solar mini-grid, Wajir County.

“With adoption of renewable energy in our country, there is a major reduction of carbon emission because previously the connected customers used kerosene or biomass fuel as a source of energy and light. This translates to approximately two tons of carbon dioxide emission reduction in addition to other health and socio-economic benefits.

economic benefits to communities living in these areas in education, health, entrepreneurship, employment, communication, water pumping and food preservation.

With adoption of renewable energy in our country, there is a major reduction of carbon emission because previously the connected customers used kerosene or biomass fuel as a source of energy and light. This translates to approximately two tons of carbon dioxide emission reduction in addition to other health and socio-economic benefits.

Every successful project implementation for us not just business as usual but a great step towards achieving our vision of a green energy driven nation and transforming lives.



Buna Solar Mini-Grid, Wajir County

Championing the Use of Renewable Energy Technologies For a Sustainable Future

By: Joy Gichangi

Looking at various uses of power in our day to day activities, it goes without saying that; 'the modern world runs on electricity'.

For decades, people have mostly used "conventional" energy which is

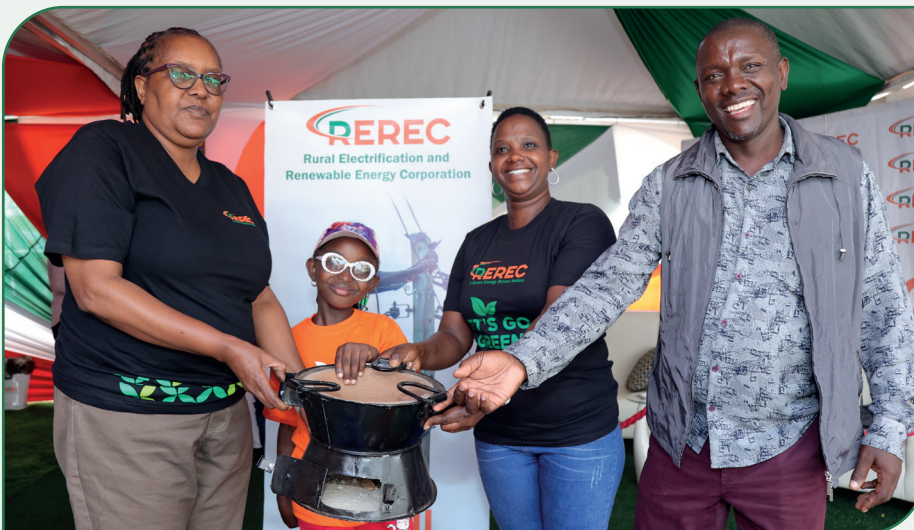
generated from fossil fuels including coal, oil, and natural gas. As the global population grows and modernizes, increased amount of fossil fuels are mined, processed, and burned to generate enough electricity to meet the increasing power needs of growing homes and businesses. The

problem that springs from increased power generation from fossil fuel is two-fold: one, we're slowly running out of the fossil fuels, and two, the pollution caused by that generation, in the form of carbon dioxide and other substances, points towards possibly irreversible climate change.

“Green energy can help meet the increasing demand of electricity without emitting harmful pollutants, making it an energy solution with great benefits to people and the environment.



Mitunguu Energy Center Coordinator, Christine Kagendo (left) demonstrates the biogas system to Meru Governor, Hon Kawira Mwangaza, (second from right) and CS Agriculture and Livestock Development Hon Mithika Linturi (right)



REREC's Manager for Advocacy, Wangari Githii (left) handing over an energy saving ceramic jiko to one of the winners who participated in the spin the wheel games.

Every renewable energy story emanates from a critical moment characterized by today's social, economic and environmental challenges. Renewable energy, often referred to as "clean or green energy", comes from natural sources or processes that are constantly replenished, including solar and wind. Green energy can help meet the increasing demand of power without emitting harmful pollutants, making it an energy solution with great benefits to people and the environment.

With a vision to attain a Green Energy Driven Nation, Rural Electrification and Renewable Energy Corporation (REREC) is at the forefront of challenging the status quo by advocating the use of renewable energy technologies, for a more sustainable future.

REREC is continuously working towards improving the narrative around the renewable energy story, by showcasing that the transition to renewable energy is possible and desirable. This is not just for climate reasons, but also for many other great benefits including health, environmental improvements, and socio economic empowerment.

Recently, REREC participated in Meru's Agricultural Society of Kenya (A.S.K) Show that took place from 29th May to 3rd June 2022 at Gitoru show ground in Meru County.

The A.S.K Show provided the Corporation with an immense opportunity to sensitize the public on adoption of climate smart agricultural practices, through adoption of renewable energy technologies. REREC was also able to highlight how use of renewable energy can impact trade initiatives for sustainable economic growth.

The Corporation showcased various renewable energy technologies and energy conservation techniques such as bio-digester, solar PV, parabolic solar cooker, energy saving jikos, also known as Kenya ceramic jikos/maendeleo/kuni mbili jikos, and fireless cookers.



Agriculture and Livestock Development Cabinet Secretary, Hon Mithika Linturi (right) issuing a trophy to Manager Advocacy; Wangari Githii and the Coordinator for Mitunguu Energy Center; Christine Kagendo.



Biogas, which is produced from organic matter, such as food or animal waste, emits less to no smoke in the kitchen when cooking hence preventing people from being exposed to smoke and deadly respiratory diseases.

To make public engagement at the Show even more interesting and memorable, the Corporation had a spin the wheel gaming element, where participants won various prizes including; energy saving jikos and fireless cookers. This activity aimed at highlighting REREC's mandate, especially on renewable energy.

REREC was pleased to host the Meru Governor, Hon. Kawira Mwangaza, and Cabinet Secretary for Agriculture and Livestock Development, Hon. Mithika Linturi at the Corporation's stand. With a total of 51 ongoing projects in Meru County, as at the financial year 2022/23, the Governor emphasized

the need to increase the number of rural electrification projects in the County.

The Corporation emerged 1st position in two categories; the best non-agricultural based statutory board for having a well-organized stand that clearly interpreted the theme of the show, and the best energy services and conservation sector for showcasing various renewable energy technologies that related well with the public. The Corporation emerged 2nd position in the category of the organization association in community/service after highlighting energy centers' involvement in training locals on renewable energy technologies.

Renewable Energy; Looking Into The Future



By: Eng. Jonathan Mbutu

Electricity has a major influence in all social economic spheres of life including health, transport, agriculture, education among others. Reliable and affordable electricity supply is a basic requirement for a good quality of life and human dignity and more so with increased electrification through technologies like e-mobility and heat pumps. Further, electricity supply impacts economies, regional development, regional security, businesses, households among many other areas.

“The need for continued investment in renewable energy is as a result of the pressure for an immediate solution to reduce carbon dioxide emission in the power sector.

According to International Energy Agency (IEA), 35% of global power generation will come from renewable energy by 2025. Further, the IEA Electricity Market report 2023 predicts that renewable energy sources such as solar and wind power will

contribute about 90% of additional global demand by 2025. The global power demand to date is estimated at 26,863TWh and is expected to grow by 9% by 2025. Carbon Brief analysis of the IEA estimates that global electricity generation will rise

by 2,493 TWh between 2022 and 2025 and 98% of this growth will be supplied from renewable and nuclear energy.

The need for continued investment in renewable energy is as a result of the pressure for an immediate solution to reduce carbon dioxide emission in the power sector. Carbon dioxide is the greatest contributor of climate change. The good news is; we do not expect a significant rise in CO₂ emissions from the global power sector over the next few years due to the rapid rise in renewable energy capacity.

Some of the factors projected to contribute to the rapid growth of renewable energy electricity are:

Decentralization

This is electricity that is produced nearby to where it will be utilized, instead of at a large plant elsewhere and then sent through the national grid. Over the years, we have seen increased interests in decentralized systems which have become more economical for electrification of areas that are far from the grid. Decentralized energy systems provide promising opportunities for deploying renewable energy sources that are locally available as well as for expanding access to clean energy services to remote

communities. A decentralized system relies on distributed generation, energy storage and sometimes demand response. Traditionally, the power industry has focused on developing large, central power stations and transmitting generation loads across long transmission and distribution lines to consumers in the region. This comes with its challenges including cost of construction of long transmission lines, technical losses and vandalism when the transmission network traverses security prone areas.

Electrification

Over time, we have seen electrification of new sectors which were traditionally not electrified. These includes e-mobility, building management systems, agriculture, manufacturing among other areas.

Electrification holds great potential to reduce final energy demand because the efficiency of electric technologies is generally much higher than fossil fuel-based alternatives with similar energy services. In addition, the emission reduction benefits from electrification go hand in hand with an increase of renewable energy.

Digitalization

The world is moving towards digital technologies like artificial intelligence, cloud computing, block chain technology, big data, autonomous vehicle, unmanned aerial vehicles among others. These technologies present new

opportunities and frontiers for application and use of renewable energy. Block chain technologies will present opportunities for new market structures as the world moves towards electricity spot market as compared to traditional Power Purchase Agreements (PPAs).

Therefore, it is projected that the renewable energy electricity market will grow in leaps and bounds in the coming years. We have also seen increased capital investment in the sector. Global investment in energy transition technologies, including energy efficiency, reached a record high of USD 1.3 trillion in 2022, this is an increase of 19% compared to 2021, despite the effects of COVID19.

Going forward, we expect to see increased investment in decentralized solutions which are vital in plugging the access gap to reach universal energy access and consequently improve livelihoods and welfare under the 2030 Agenda. This presents a great opportunity to the Rural Electrification and Renewable Energy Corporation which now has expanded mandates on promotion and development of renewable energy, specifically focusing on off-grid areas. Specifically, the Corporation targets to grow its contribution of renewable energy in the energy mix from the current 60.5Mw to 79 MW. To achieve this, REREC will leverage on the opportunities presented by renewable energy resources available in the country. This will contribute significantly to the government's Bottom Up Transformation Agenda (BETA) of 100% transition as well as help the country meet its Nationally Determined Contribution targets.

Eng. Mbutu is the Manager, Monitoring and Evaluation at Rural Electrification & Renewable Energy Corporation





Observe, Preserve & Conserve. Are We Environmentally Responsible?

By Mary Mathu

For many years, the climate change talk seemed like a far-fetched textbook theory that affects “others who live in another world”. It seemed complex and unrelatable. As years have gone by, the reality has hit more. Most severely, in the last few years, Kenya has experienced devastating floods and prolonged droughts that have led to famine and loss of livestock in pastoralist communities.

“Our forest cover has been slowly but significantly decreasing, which shows we have lost the value for our trees and forests.”

According to the European Investment Bank’s (EIB’s) 2022 Climate Survey, a whopping 97% of Kenyan respondents said that climate change is already affecting their everyday life. The study further revealed that 76% of the respondents believed that climate change and environmental damage have affected their income or source of livelihood.



As a country, our forest cover has been slowly but significantly decreasing, which shows we have lost the value for our trees and forests. We however have a chance to restore our current degraded ecosystem steadily by being part of the tree planting initiative.

Away from the boardroom talk and government interventions, the big question is, how are you, as an individual, taking responsibility in conserving our environment?

At REREC, we have devoted ourselves to environmental conservation through spearheading the use of green energy. Further, we engage in advocacy on preserving and rebuilding our forest cover. Our rallying call has been; plant a tree, grow a forest; to encourage everyone to plant even one tree for the long haul impact.

As part of our Corporate Social Responsibility (CSR) activities, we have in this season, participated in seedling donation through our Energy Center in Mirangire, Nyandarua County. Bondeni and Center Primary Schools in Nyandarua County as well as Kianyoro and Mumoi Primary Schools in Nakuru County have benefitted from this initiative.

Through encouraging the young children in school to plant trees, we are aiming to bring up a generation that is environmentally responsible and aware of the value of sustainability.

Similar collaborations took place in Narok County, where students at Suswa Secondary School participated in one of our tree planting exercises in their school.

Leaving nobody behind, REREC's Energy Centers staff members from both Nairobi and Lodwar Energy Centre also came together to plant tree seedlings at Katapakori Primary School in Lodwar County. This exercise demonstrates the Corporation's clear commitment to environmental conservation and community engagement. We are keen to encourage members of the larger communities to take part in the activities and plant more trees in their communities.

Tree planting is also in accordance to the Sustainable Development Goals, specifically goal 15, which seeks to protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss. We endeavor to be on the forefront in securing a better future for the generations to come.

As a country, Kenya has put in place a number of measures and policies that provide guidance for low-carbon and climate resilient development. To plug into the many other interventions by the government, REREC is prioritizing the uptake of renewable energy, with the vision of steering the country to be a 100 % green energy driven nation.

In December 2022, H.E President William Ruto launched the National Tree Growing and Restoration campaign which aims to plant 15 billion trees by 2032. This move is aimed at: reducing greenhouse emissions, stopping and reversing deforestation, restoring 5.1 million hectares of deforested and degraded landscapes and scaling up the forest cover up to 30% by the year 2032.

The Highlight

We call upon each one of us to

**TAKE
ACTION**

**Plant A Tree
Grow A Forest**





H.E. Azali Assoumani, the President of Comoros who also serves as the African Union President (second from right) getting a brief on solar mini-grids at the Corporation's stand during the Kenya Investment International Conference, 2023. Looking on is the PS, Ministry of Energy, Mr. Alex Wachira (right). REREC has implemented a total of 27 mini-grids in off grid areas.

Unlocking Africa's Gateway

“Through its comprehensive efforts in rural electrification and the promotion of renewable energy sources, REREC is lighting up Kenya's path to progress.

By Wangari Githii

Africa, with its vast potential and abundant resources, has long been viewed as a continent of opportunity. However, its journey towards economic prosperity has often been faced with challenges such as inadequate infrastructure, lack of access to energy, and underdeveloped rural areas.

Kenya, like many African nations, is hampered by the challenge of providing energy access to its citizens and leveraging its potential for sustainable growth. REREC has emerged as a beacon of hope in navigating this challenge. Through

its comprehensive efforts in rural electrification and the promotion of renewable energy sources, REREC is lighting up Kenya's path to progress.

By extending electricity to remote and underserved areas, REREC empowers communities with a fundamental tool for socio-economic development. It paves the way for improved education, healthcare, agricultural productivity and entrepreneurship.

The 3rd Kenya International Investment Conference (KIICO) served as a powerful stage to share the milestones and achievements that the

Corporation has achieved in getting Kenya closer to achieving energy sustainability.

The REREC stand was abuzz with enthusiasm, as visitors were eager to engage with the Corporation's representatives and learn more about its impressive milestones in rural electrification and renewable energy. Majority of visitors at the stand were captivated by REREC's off grid solutions.

We were honored to host H.E. Azali Assoumani, the President of Comoros, and the current African Union (AU) President, at our stand during the

3 days' conference. The Comorian President was particularly interested in learning more about the solar powered mini-grids that the Corporation is implementing in off grid regions. H.E Azali congratulated the Corporation on the implementation of the 27 solar mini-grids in Wajir, Turkana, Marsabit and Garissa counties noting that these offer a clean, reliable and sustainable energy solution to remote rural communities.

"We are particularly focused on off-grid areas, especially in Northern Kenya, as access to electricity is a fundamental right for every Kenyan. We utilize solar mini-grids to unlock social and economic development in these regions," stated Dr. Rose Mkalama, General Manager, IEC stated while briefing the Comorian president.

At the conference, REREC had set its sights on not only demystifying the Corporation's mandate but also building strong relationships with potential investors, partners, and collaborators who share the same passion for sustainable energy solutions. With over 2,000 delegates from various sectors in attendance, the conference offered a fantastic platform for REREC to connect with like-minded individuals and organizations, and it was nothing short of a resounding success.

The delegates at the event represented a diverse array of stakeholders, including government officials, private sector representatives, investors, and development partners. Through productive discussions, REREC was able to highlight its significant contributions to the renewable energy landscape in Kenya and its unwavering commitment to providing clean and reliable energy solutions for all.

As the Corporation continues to drive change and contribute to the government's vision of electricity for all, it stands poised to play a pivotal role in unlocking Africa's getaway through the promotion of renewable energy and sustainable development.



Mr. Alex Wachira, PS, Ministry of Energy (second left) and Mr. Alfred Ombudo, PS, Ministry of Trade (third left) and Investment being taken through the model.



Partners from the Homa Bay County Government at the REREC stand.



Delegates at the REREC stand, during the 3rd Kenya International Investment Conference (KIICO)

Rural Electrification Projects' Updates

A spotlight on some of our projects



REREC CEO CPA Peter Mbugua and Mwea Member of Parliament, Hon. Mary Maingi commissioning the Kangondo Village and Kithuthini Village rural electrification projects in Mwea Constituency, Kirinyaga County.

Compiled by Daniel Kapsoot

REREC CEO, CPA Peter Mbugua and Mwea Member of Parliament, Hon. Mary Maingi recently commissioned the Kangondo Village and Kithuthini Village rural electrification projects in Mwea Constituency, Kirinyaga County, connecting about 220 households in the region.

The public facilities in the area that are set to benefit include Kangondo Primary School, ACK Kangondo Church and New Apostolic Kangondo Church.

In the region, another 55 households will benefit from a transformer maximization initiative in Muthiani area.

REREC has been maximizing the already existing transformers by extending the reach of a single transformer to connect nearby homesteads that are located within a radius of 600 meters; ensuring each transformer is optimized to its fullest capacity.

The Rural Electrification and Renewable Energy Corporation (REREC) is dedicated to supporting the Government of Kenya's pledge to stimulate economic growth, accelerate job creation and promote sustainable socio-economic development and the economic well-being of Kenyans.

The Corporation has aligned its activities with the national economic development blueprint, the Vision 2030 and most recently, the Government's Bottom-up Economic Transformation Agenda (BETA) whose six (6) core pillars focus on agriculture, Micro, Small and Medium Enterprise (MSME) economy, housing and settlement, healthcare, digital superhighway and creative economy, environment and climate change.

Electrification of rural areas provides sustainable energy solutions for all through renewable energy and rural electrification for socio-economic transformation.

Spotlight on projects in the Counties

On this issue, we highlight the ongoing projects in Bungoma, Taita Taveta, Kajiado and Nyandarua counties.

| Constituency | Project Name | Targeted No Of Customers |
|-------------------------|---|--------------------------|
| Nyandarua County | | |
| Kinangop | Gwa Senior Bh | 6 |
| Kinangop | Kahuho Trading Centre (Jashu) | 37 |
| Kinangop | Kari-Ani Village | 31 |
| Kinangop | Kiahuho Village | 35 |
| Kinangop | Kiahuko Ecd School | 72 |
| Kinangop | Kiriahu Doughlas Village | 70 |
| Kinangop | Mishinda Ecd School | 6 |
| Kinangop | Njoguini Extension | 112 |
| Kinangop | Njogu-Ini Kwa Dedan & Mutarakwa Villag | 39 |
| Kinangop | Pastor Barnabas | 11 |
| Kinangop | Phase Ii Bh | 6 |
| Kinangop | Sasini Village | 3 |
| Kipipiri | Miti-Iri Ecde | 6 |
| Kipipiri | Mwinyogondo Road | 226 |
| Kipipiri | Near Softa Shopping Centre(Kanyua B) | 26 |
| Kipipiri | Rurii Kwa Mini | 6 |
| Ndaragwa | Ex Daya | 50 |
| Ndaragwa | Githima Water Project | 51 |
| Ndaragwa | Kiambogo Village | 108 |
| Ndaragwa | Kwa-Mugane Mung'etho | 3 |
| Ndaragwa | Macedonia Pcea | 84 |
| Ndaragwa | Olbolosat Mkt/Sec-Reroute | 0 |
| Ol Joro-Rok | Good For(Gathanje) Disp & Bh | 59 |
| Ol Joro-Rok | Jimmy Annah Area Bh | 87 |
| Ol Joro-Rok | Kaburugi Dispensary And Neighbour Hood | 59 |
| Ol Joro-Rok | Kamukunji Migaa | 102 |
| Ol Joro-Rok | Kosovo (Gituamba) Police Post & Shopping Center | 92 |
| Ol Joro-Rok | Meciria, Near Mwalimu Kairu Area | 86 |
| Ol Joro-Rok | Sambugu Karandi Area Chiefs Camp | 113 |
| Olkalou | Rutara Dam And Gathima Village | 132 |
| Kajiado County | | |
| Kajiado Central | Empukiani Pry Sch | 15 |
| Kajiado Central | Ilmisigiyo Pry & Environs | 8 |
| Kajiado Central | Leti Bh | 10 |
| Kajiado Central | Lorngoswa Town | 63 |
| Kajiado Central | Ole Kimaki Primary | 2 |
| Kajiado Central | Oloyiankani Mixed Sec (Re Routing) | 0 |
| Kajiado East | Kalembwani | 8 |
| Kajiado East | Kima Village Olepolos Pre Sch | 17 |
| Kajiado East | Lucy Base | 15 |
| Kajiado East | Olturoto Bh | 12 |
| Kajiado East | Orngarua Bh | 12 |

| | | |
|----------------------------|-------------------------------------|-----|
| Kajiado East | Undugu | 44 |
| Kajiado North | Komiya Pry | 1 |
| Kajiado South | Elerai-Oloile | 17 |
| Kajiado West | Kirkuria Primary School | 23 |
| Kajiado West | Mantina Junction | 21 |
| Kajiado West | Mbuni Bh | 2 |
| Kajiado West | Namelok Girls Sec School | 24 |
| Kajiado West | Olmaroroi Saikeri Village | 11 |
| Kajiado West | Oloiren-Olomayiana Road Extension | 33 |
| Kajiado West | Oloishobor Intashati Vill Bh | 10 |
| Kajiado West | Patterson Memorial Sec | 63 |
| Kajiado West | Paul Kintalel | 16 |
| Kajiado West | Paul Nchene | 24 |
| Kajiado West | Skentos Daniel | 15 |
| Bungoma County | | |
| Kanduyi | Kachomba Mkt | 120 |
| Kanduyi | Nzoia Girls | 12 |
| Kanduyi | Nzoia Industrial Sec | 1 |
| Kimilili | Mabele Vocational Training Centre | 92 |
| Mt. Elgon | Kananchi | 82 |
| Tongaren | Sipande Village | 65 |
| Tongaren | Stendi Matope/ Chief Opicho Village | 150 |
| Tongaren | Mbirira Village | 51 |
| Webuye East | Lower Nabuyole Village | 110 |
| Webuye East | Namanda Village | 112 |
| Webuye West | Kayaya Disp | 110 |
| Webuye West | Kituni Dispensary | 21 |
| Webuye West | Maliki Area (Mupeli Junctio) | 100 |
| Webuye West | Sinoko Temba Village | 100 |
| Webuye West | Sirwa Wp | 42 |
| Taita Taveta County | | |
| Mwatate | Chief Sio B/H | 14 |
| Voi | Bachuma Livestock Export Processing | 22 |
| Voi | Mrangi Village | 126 |
| Wundanyi | Kiriko | 100 |
| Wundanyi | Kiteghe Saya | 79 |
| Wundanyi | Matesenya Ngolia | 59 |
| Wundanyi | Msangachi Choke | 38 |
| Wundanyi | Msidunyi, Mwatungu Wuchichi | 185 |
| Wundanyi | Mwangoya Mswadi | 52 |
| Wundanyi | Ngeti Village | 135 |
| Wundanyi | Pirigi Kilili Tira | 126 |
| Wundanyi | Sangeroko Dispensary | 82 |
| Wundanyi | Sangeroko Extension | 152 |

Watch out for more updates on our social media platforms



RERECKenya



RERECMashinani



RREC_Kenya



Improving Productivity at Work

By Allan Salbei

Productivity is measured by the output achieved. For example, in a business setting, productivity can be measured by the number of sales achieved, targets met and completed assignments. Productivity is the key source for economic growth and when it does not increase, this limits the profits a business makes, or the number of tasks completed successfully.

“

Productivity isn't about being a workhorse. Keeping busy or burning the midnight oil... It's more about priorities, planning, and fiercely protecting your time.

~ Gary Keller

Productivity Tips

Avoid Multitasking

While you may feel productive, multitasking does not achieve the best results compared to focusing on one role at a time. For better results, work at each task at a time. This is faster and will enable you to move to the next task easily.

Set Small Goals

Large tasks feel intimidating and we overestimate the time we will take to achieve them. It is therefore advisable to set small goals each day to track your productivity.

Take Small Breaks

This reduces stress at work and helps one to be more productive. Workplaces offer breaks in between and you can use this time to take a walk. When working at home, give yourself small breaks of 15-20 minutes to drink water and do some exercises.

Work as a Team

Delegate work to other team members for better results. It is always better to work together as other members contribute their skills and knowledge in that area especially when you do not possess the skills in the area.

Avoid Distractions

Turn off your social media notifications and any other unnecessary notifications and alarms when working. Some tasks may call for you to switch your phone to airplane mode, especially for daunting tasks that require high level of concentration. You could also use apps that limit your usage and ensure that you achieve your productivity.

Productivity is simple.

For a certain level of input, you will get a certain level of output.



Through the Lens



CS. Dr. Rose Mkalama GM IEC REREC participating in Country spotlight panel during the Africa Energy Forum where she provided details on REREC's 10 year achievement and shed light on the solutions REREC has put in place to electrify off-grid areas in Kenya like parts of northern Kenya and Islands in Lake Victoria and the Coast.



REREC Manager, Advocacy Wangari Githii Hosting the Meru Governor, Hon Kawira Mwangaza, and CS Agriculture and Livestock Development Hon Mithika Linturi at the Meru ASK show stand.

Through the Lens

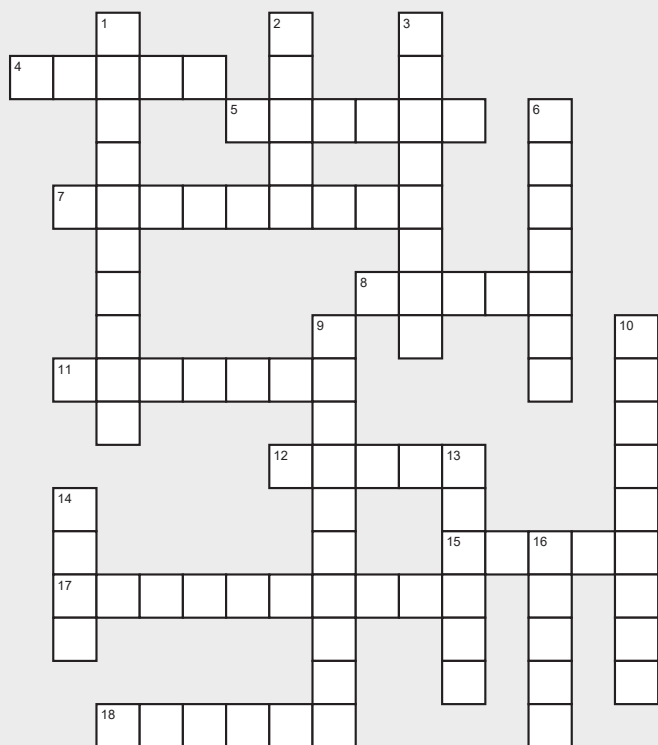


REREC staff pose for a photo with the trophies awarded for being the best Energy Services and Conservation Sector Stand, and the best Non-Agricultural Based Statutory Board Stand at the Meru ASK Show.



REREC team led by Daniel Onyango, supervisor Kakamega County held a public baraza at Musango Village, Mumias East Constituency, Kakamega County. The highlight of the baraza was the commissioning of the project where 31 beneficiaries were connected to power

Cross Word Puzzle



ACROSS

- 4) Fuzzy fruit
- 5) Kind of split
- 7) Bronx cheer
- 8) Clunker
- 11) Nectar source
- 12) National fruit of India
- 15) Kind of sauce
- 17) Picnic fare
- 18) Sundae crown

DOWN

- 1) Breakfast melon
- 2) Vineyard fruit
- 3) Green-fleshed melon
- 6) Noggin
- 9) Shortcake item
- 10) Good in muffins
- 13) Halloween hue
- 14) New Zealand native
- 16) Cut back

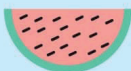
Sudoku

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 | | 8 | 5 | | | | | |
| 2 | | | | 1 | | | 4 | |
| | | | | | | 8 | 3 | |
| | | | | | 3 | 9 | 8 | |
| | 6 | | | | 9 | 3 | | |
| | 7 | | | | | 1 | | |
| | | | | | | | 9 | 6 |
| | | 2 | 6 | | | 4 | | |
| | | 5 | 7 | | | | | |

Fill in the Sudoku grid of 9 x 9 with Each row, column and square (9 spaces each) needs to be filled out with the numbers 1-9, without repeating any numbers within the row, column or square.

On a Light Note

When do you go at
red and stop at green?



When you're eating
a watermelon!!!



Knock, knock
Who's there?

Snow
Snow who?
Snow laughing matter.



“You will do
foolish things,
but do them with
enthusiasm.”

— Colette



The Highlight

Quarterly Newsletter

HEAD OFFICE

Rural Electrification & Renewable Energy Corporation

Kawi Complex, South C
P. O. Box 34585 – 00100 Nairobi, Kenya.
Cell: 0709 193 000/0709 193 600
Email: info@rerec.co.ke.
Website: www.rerec.co.ke

Regional Offices

CENTRAL RIFT REGIONAL OFFICE

Giddo Plaza, George Morara Road C
P. O. Box 16662, Nakuru.
Cell Phone: 0719 607 977
Email: centralrift@rea.co.ke

WESTERN KENYA REGIONAL OFFICE

Kondele (Carwash) – Kibos Road
P. O. Box 2604 – 0040100 Kisumu
Cell Phone: 0719 607 436
Email: westernkenya@rea.co.ke

MT. KENYA REGIONAL OFFICE

1st Floor, Advocate Plaza, off Kamakwa Road,
P. O. Box 1970, Nyeri
Cell Phone: 0719 608 139
Email: mt.kenya@rea.co.ke

EASTERN & NORTHERN KENYA OFFICE

Off Mombasa road, Near JKIA turn-off
P. O. Box 34585 – 00100
Cell Phone: 0709 193 000/3600
Email: easternkenya@rea.co.ke

SOUTH NYANZA REGIONAL OFFICE

Located within Kisii ATC
P.O. Box 2238 - 40200 Kisii
Cell Phone: 0709 193 440

NORTH RIFT REGIONAL OFFICE

Kiptagich House, 9th Floor, off Uganda Road,
P. O. Box 3015 – 30100, Eldoret.
Cell Phone: 0719 608 207
Email: northrift@rea.co.ke

COAST REGIONAL OFFICE

Mtwapa, Kilifi County
P. O. Box 32 - 80109 Mtwapa
Cell Phone: 0719 608 086

Energy Centres

Bukura Energy Centre
Within Bukura ATC
P.O. Box 92-50105 Bukura

Jamhuri Energy Centre
Nairobi, showground
P.O. Box 21552-00505 Nairobi

Lodwar Energy Centre
Off Lodwar to Lorgun road
P.O. Box 501-30500 Lodwar

Mirangine Energy Centre
Mirangine, Nyandarua County
P.O. Box 142-20124 Mirangine

Busia Energy Centre
Busia Town next to Busia Market
P.O. Box 421-50400 Busia

Kericho Energy Centre
Off Kisumu road
behind Siloam Hospital
P.O. Box 1959-20200 Kericho

Marsabit Energy Centre
Within Marsabit County
Commissioners Office
P.O. Box 143-60500 Marsabit

Mtwapa Energy Centre
Mtwapa, Kilifi County
P. O. Box 32 - 80109 Mtwapa

Garissa Energy Centre
Off Garissa to Sankuri Road
P.O. Box 1253-70100 Garissa

Kisii Energy Centre
Within Kisii ATC
P.O. Box 2238-40200 Kisii

Migori Energy Centre
Migori town next to the County HQ
P.O. Box 329-40400 Migori

Wajir Energy Centre
Wajir town
P.O. Box 414 -70200 Wajir

Uasin Gishu Energy Centre
next to Kiplombe cemetery
P.O. Box 9050-30100 Eldoret

Kitui Energy Centre
Next to Kitui High School
P.O. Box 737-90200 Kitui

Mitunguu Energy Centre
Mitunguu market
P.O. Box 232-60204 Mitunguu

Wambugu Energy Centre
Within Wambugu Farm,
Off Nyeri - Karatina road
P.O. Box 1400-10100 Nyeri