

WattsOn

The Official Newsletter of NamPower | Edition 1 - 2018



Investing in Renewable Energy



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NAMPOWER
1mLED
CAMPAIGN



SWITCH TO LED THE NATION'S BULB

I USE MUCH LESS ELECTRICITY
I LAST MUCH LONGER
I DON'T BREAK EASILY
I AM KIND TO THE ENVIRONMENT

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#NamPower1mLEDCampaign



Powering the Nation and beyond



THE BULB

WASTE ENERGY,
WASTE MONEY
AND WHO CARES ABOUT
THE ENVIRONMENT?

I'll waste your Dollars | I'll easily blow my fuse
You'll need to replace me more often | I'll waste a lot of energy

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Investing in Renewable Energy



Greenam Energy recently held a ground breaking ceremony, signalling the commencement of works for the construction of its two 10MW solar PV generation power plants at Mariental and Kokerboom in the south.

Greenam Energy, one of the Independent Power Producers under the Renewable Energy Feed-In Tariff (REFIT) programme, was one of the first IPPs to be granted a conditional license by the Electricity Control Board, with one of the conditions being to negotiate and conclude a power purchase agreement with NamPower.

Discussions between NamPower and Greenam commenced as early as 2010, finally culminating into the signing of two power purchase agreements on 13 July 2016, for the offtake of power from two 10 MW solar PV plants. NamPower and Greenam also signed a Transmission Connection Agreement to enable the connection of the solar plants to the NamPower grid.

The agreement between NamPower and Greenam Energy is a significant milestone in the expansion of Namibia's power generation sector. Namibia needs

a sufficient supply of electricity in order for it to fulfil its development goals. To address this situation, NamPower has planned several generation projects of which some has been completed, in line with the National Integrated Resource Plan (NIRP).

As part of the plans to increase electricity supply in the country, are the agreements that NamPower signed with 18 IPPs for the supply of 171 MW of renewable energy. The IPPs will invest a combined amount of approximately N\$ 4.2 billion in the Electricity Supply Industry and ultimately in the Namibian economy in the next 24 months.

Nine (9) of the 14 projects under the REFIT programme, each to generate 5 MW, have reached Commercial Operation. Osona PV (5MW), Ejuva-1 PV (5MW), Ejuva-2 PV (5MW), HopSol PV (5MW), Aloe PV (5MW), Alten PV (5MW), Ombepo Wind (5MW), Momentous Energy PV (5MW) and Metdecci PV (5MW) were commissioned in 2016 and 2017 with a total capacity of 55MW and contributed about 26.5 GWh of renewable energy during the 2016/17 year. The remaining five IPPs are expected to all become operational by end 2018.

Four (4) other IPPs with a combined capacity of 101MW are at different stages of construction. The Greenam PV plant forms part of these projects.

Speaking at the ground-breaking ceremony, NamPower's Managing Director, Kahenge Haulofu said "alternative sources of electricity such as solar, wind, invader bush, biomass and biogas will play an important role in meeting Namibia's current and future electricity needs."

In 2017, Cabinet approved the Renewable Energy Policy for the promotion and target setting for renewable energy sources. NamPower's primary goal and that of the government of Namibia, as stipulated in the Harambe Prosperity Plan (HPP), is to increase local generation and reduce dependency on imports.

"NamPower is committed and open to work with IPPs that have viable renewable energy projects in order to complement conventional power generation sources, with the aim to ensure that the goals of Vision 2030 are realized", said Haulofu.



THE POWER OF KNOWING



There is a thin line between what you use and what we are able to supply.

ENERGY SAVING TIPS

Stove

- Never use the stove or hot plate as a heater.
- The size of the pot should match the size of the stove plate.
- Rather use a pressure cooker when preparing food that normally takes a long time to cook.

Let's work together and use electricity sparingly.



NamPower
Powering the Nation and Beyond

Mines and Energy Minister Visits NamPower



The newly appointed Minister of Mines and Energy, Hon. Tom Alweendo, paid a courtesy visit to NamPower in February. Alweendo met the NamPower Board of Directors, the Executive Management and some senior company officials. The minister was accompanied by his Deputy, Hon. Kornelia Shilunga and his Permanent Secretary, Simeon Negumbo.

Rural Electrification



Photo Source - The Namibian

NamPower partnered with the Government in early 1999 for the implementation of the Rural Electrification programme, and has since then invested more than N\$400 million in the programme.

The Rural Electrification Programme forms part of Government's economic development programme to expand electricity supply infrastructure to rural areas so as to improve the quality of life and socio-economic conditions of all Namibians. The process of rural electrification started in the early 1990's.

The implementation of the Programme is guided by the Rural Electricity Distribution Master Plan, a plan put in place by Government to guide the systematic and fair implementation of the programme. The project aims to electrify all government and public institutions and their surrounding areas.

During the 2017/2018 financial year, NamPower invested about N\$ 50 million in the project, injected into various projects across the country.

The Rural Electrification Programme complements the Harambee Prosperity plan objective of increasing the rural electrification rate from 34 percent in 2015 to 50 percent by 2020.

In the 2018/2019 financial year, NamPower has budgeted N\$ 30 million towards rural electrification, which is envisaged to be distributed among all 14 regions of the country.

Apart from the funds made available from NamPower's own balance sheet, there is also a separate rural electrification budget funded by the European Investment Bank (EIB).

THE POWER OF KNOWING

There is a thin line between what you use and what we are able to supply.

ENERGY SAVING TIPS

Light Bulbs

- Replace conventional bulbs with Compact Fluorescent Light (CFL) or Light-Emitting Diode (LED) light bulbs where possible. These light bulbs provide the same amount of light while using much less electricity and they last longer.
- Always switch off lights when leaving a room.

Let's work together and use electricity sparingly.

CFL bulb

LED bulb

NamPower
Powering the Nation and Beyond

The reintroduction of Ruacana Eha Lodge



Allow us to reintroduce Ruacana Eha Lodge, arebranded and under new management.

Living up to its name “eha” which means “home”, Eha Lodge is designed to make you feel the tranquillity of home, while in the midst of the beauty of the untouched landscapes of Koakoland in the far north of Namibia. Situated on the gateway to the Ruacana Falls, Etosha National Park, the Epupa Falls and the vibrant cultures of the northern regions of Namibia, Ruacana Eha Lodge offers much more than lodging. The magic and experience of the lodge’s amazing surroundings is what separates it from other lodges across the country, as it is located in both a culturally rich and environmentally remarkable location.

It is the perfect place for nature lovers, travelers seeking a retreat or anyone looking for a change of pace. In addition, and arguably one of the most remarkable reasons to visit Ruacana Eha Lodge, is the Ovahimba, a tribe of nomadic pastoralists. The Ovahimba, one of the last remaining semi-nomadic tribes in the world, inhabit the Kaokoland area around Eha Lodge. The lodge offers



Eha Lodge-Bungalows

a once in a lifetime opportunity to visit and experience an Ovahimba village. According to Lodge Manager, Laban Mulyongwe, this experience is a favourite among visitors of the lodge.

Ruacana Eha Lodge attracts a considerable amount of international guests, hailing mostly from South Africa, Germany, France and Italy. It also enjoys visitation from local travelers, who are generally day visitors drawn to the Lodge’s popular restaurant and other amenities.

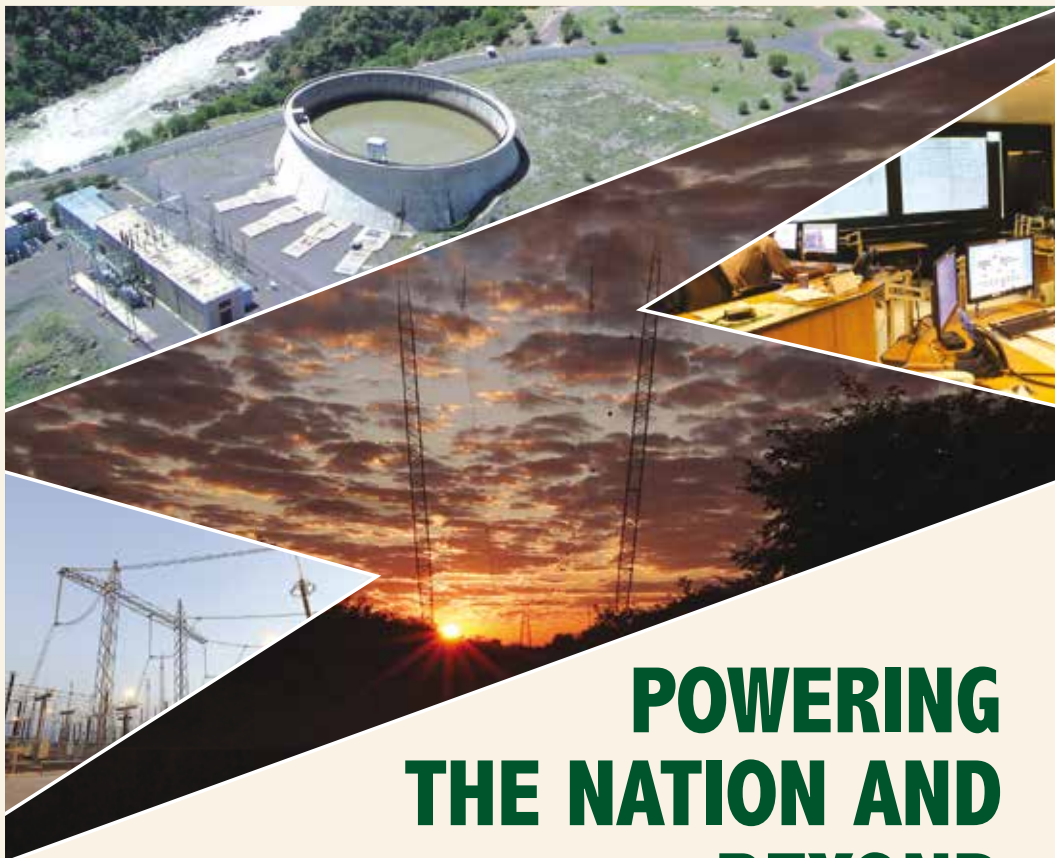
Ruacana Eha Lodge offers one luxury suite and 20 double rooms. On site are also 15 campsites and six traditional huts for those who would like a more natural experience. Relax in the pool or have a meal at the restaurant. The lodge also offers conference facilities, a gym and tennis court for the guests who would like to keep fit during their stay.

For natural and beautiful landscapes that cannot be found anywhere else in the world, visit Ruacana Eha Lodge and enjoy a life-changing and unconventional lodging experience.

For reservations, contact +264 (65) 271 523.
Eha Lodge is a subsidiary of NamPower.



Experience an OvaHimba village



POWERING THE NATION AND BEYOND

- Through the power of strong leadership and a committed workforce
- Through the progressive implementation of our strategic plans
- Through sophisticated infrastructure and systems
- Through harmonising engineering and logistics planning

For years, NamPower has been the engine that drives the nation's economy, communities, and our everyday lives. The dedicated women and men who fuel NamPower are committed to continue powering the nation for decades to come.



Powering the Nation and beyond



The rewarding task of line maintenance



Team- Tobias Mwatelulo, Bertie Steyn and Marty Enkali

NamPower prides itself on the continuous maintenance, improvement and expansion of its world class transmission network. The Network Operations section is charged with the responsibility of maintaining the utility's electricity transmission infrastructure, which must periodically undergo routine inspection and maintenance to prevent loss of power supply.

NamPower conducts inspections once annually or as the need arises, and the annual line inspections are undertaken on all lines of different voltage levels across the 14 regions in Namibia. These lines are assigned to different district supervisors and preparations then begin for the important task of transmission line maintenance.

Tobias Mwatelulo, District Supervisor in Central region, who forms part of the Network Operations section, let the Watts On in on what the inspection and maintenance trips entail.

“This mission requires mental preparedness and physical stamina, because the geographical and environmental conditions of most parts of the country can make line inspections a daunting task.” Tobias explains that the operation begin with a briefing, where the teams outline the possible risks that they may encounter on the sometimes weeks-long inspection. “The team also discusses critical factors such as the terrain and weather conditions and prepare accordingly to ensure that we are ready for anything that may come our way.”



400 kV pole structures with birds' nests



Marty Enkali sets up his bed for the night

When on site, a typical day begins as early as when the sun first rises Tobias narrates. The team then begins the great trek of moving from transmission structure to structure, with a distance of about 450 meters between each structure on a 400KV line. This exercise allows the team to inspect each structure and span by using binoculars. The team looks out for faults such as foreign objects on the lines, birds' nests, loose hardware, flash overs, vandalism, theft and aging of apparatus (wear and tear). "If a fault is found, it is noted onto an inspection sheet and plans for maintenance to prepare the relevant material to address the problem".

On an average day, the team can cover about 40 transmission poles per day. Some portions of the transmission line may run through dangerous or hard-to-access environments such as mountainous terrains. In these instances, the inspection teams are required to physically climb the mountains in order to conduct inspection properly.

A typical day ends at around 17:30 and the team would begin scouting for a suitable place to set up camp. Being in the middle of "nowhere", the teams are required to set up make shift showers and cook meals on open fires and gas stoves. They retreat to bed, and follow the same procedure the next day.



Tobias Mwatelulo inspecting lines

These technicians and electricians are in many ways the backbone of the electricity supply industry. Apart from the wearisome job of inspecting and maintaining the hundreds of kilometres of the country's transmission network, they are typically always on 24-hour call for quick response to power outages and other emergencies pertaining to power supply. So, the next time you flip a switch, remember the great sacrifices taken by the people who brave great terrains to ensure that you continue to enjoy an uninterrupted power supply.

THE POWER OF KNOWING



There is a thin line between what you use and what we are able to supply.

Use less electricity during peak times



6 - 9 AM

and



6 - 9 PM

Please avoid using washing machines, dishwashers, pool pumps, irons, air conditioners and all other appliances you do not need to use during these times.

Let's work together and use electricity sparingly.



Passing the Nature and Beyond

NamPower recruits Children of the Liberation Struggle



Jackson Hainana

NamPower responded positively to Government's call to help with alleviating the plight of the children of the Liberation Struggle, by offering job opportunities to nine of them last year. They were placed in different Business Units as general workers, while two were transferred to work in Rundu.

This is the second occasion that NamPower recruits the children of the liberation struggle, with the first instance having been in 2012. They too were positioned as general workers at various points across the country.

Speaking to the group when they reported for duty, the Managing Director of NamPower, Kahenge Haulofu, expressed the importance of developing themselves and encouraged them to make use of the training and development opportunities that the company offers of its employees, to advance their careers.

One of the nine new recruits is 38 year old Jackson Kondjeni Hainana. Jackson shared his story with Watts On:

I was born in 1979 in a town called Onyango in Zambia, where my mother fled to in exile during the liberation struggle. My father was a PLAN fighter and remained in Namibia, he was tragically killed during the liberation struggle. After his death, myself and a group of 33 other children were sent to East Germany to start school. This was in the year 1985 and I was 6 years old at the time. We stayed in a hostel "Kinderheim Belin" in East Germany. I started kindergarten in a town called Zehna, near Belin.

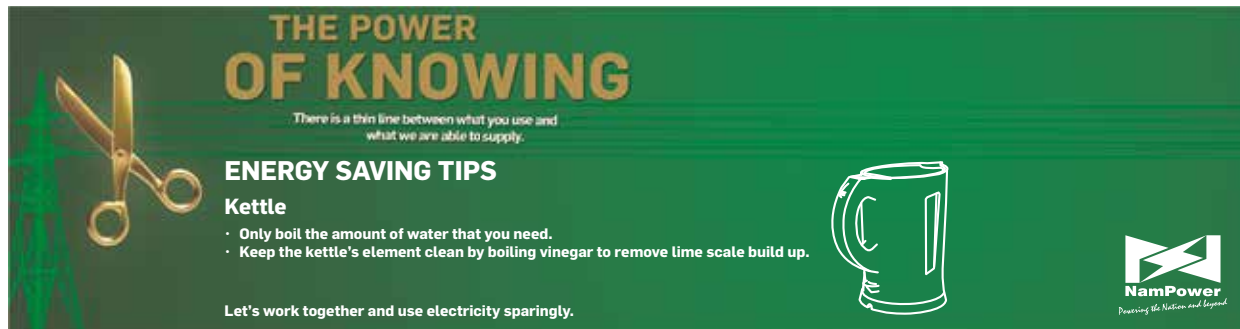
I came back to Namibia in August 1990 after the country had gained its independence. I was reunited with my mom and brother and for the first time, I got the opportunity to stand on Namibian soil, experience the Namibian culture and embrace being proudly Namibian. I continued my schooling until Grade 10, which I passed well. I then returned to Germany to attend an 8- month course in Carpentry.

My life took a drastic turn in 2000 when my mother passed away. After her death benefits ran out, my brother and I had to start from scratch, finding ourselves homeless on several occasions. I found refuge in the government's After School Centre in Khomasdal, where I did voluntary work in exchange for my stay there. I taught kids music and assisted with homework.

Fast forward to a couple of years later, the Children of the Liberation Struggle, through an initiative of the

government, received training in various disciplines. I chose training in Office Administration which I again passed well. I got the opportunity to put my new skills to use when I joined NamPower on 3 July 2017. I am employed as a General Worker based at the NamPower Clinic at Van Eck Power Station. My responsibilities include general office administration duties assisting Sister Christine Lindner wherever necessary.

Since joining NamPower, I feel like I now have complete control over my life and my future. This stability has given me the determination to finally build my life to what I have always wanted it to be. I have great ambitions to continue my studies, and become a contributing member of society. Further down the line, I would like to get married and expand my family. I thank NamPower, because now for the first time, all of my dreams are achievable.



THE POWER OF KNOWING



There is a thin line between what you use and what we are able to supply.

ENERGY SAVING TIPS

Kettle

- Only boil the amount of water that you need.
- Keep the Kettle's element clean by boiling vinegar to remove lime scale build up.

Let's work together and use electricity sparingly.



Appreciating our long serving employees

NamPower attributes its success and longevity to its dedicated employees, and even more so, to its loyal and long serving employees that have throughout the years build NamPower into the esteemed organization that it is today. In this edition, we pay homage to Tate Shifa Haindongo and Tate Tuahameni Ndemongela, who have respectively served NamPower for more than 40 years.

Tate Shifa Haindongo joined SWAWEK on 7 January 1977 as a general worker at “Windhoek Kragstasie” in the Triple J area, now known as Suiderhof. Tate Shifa excelled and was promoted into various positions within the company, ending in the position he now holds as a Senior Utilityman (Electrical) at Ruacana Power Station. Speaking about his career with NamPower, Tate Shifa says “ I have learned a lot of skills and gained much experience through my colleagues throughout the years. I can even fix the lights at home or any other electrical problems that may arise. I plan to retire in January 2019 and I am going to be a full time farmer while enjoying my retirement with my family. I am forever grateful for my career with NamPower, it is truly a caring company

and awards its employees with praiseworthy benefits compared to other companies. I encourage the new and young workforce to work hard, be dedicated to their jobs and to continue to build when we retire.”.

Tate Tuahameni Ndemongela began his career with NamPower on 21 March 1977 at the then “Single Quarters” as a Housekeeper. The “Single Quarters” served as accommodation facilities for employees stationed at Ruacana Power Station. The facility was transformed in what is now Eha Lodge. Currently, Tate Tuahameni is employed as a Senior Utilityman (Painting) He will retire in March 2019. “NamPower has contributed so much to my life. The company gives me free medical aid and that enables me to take care of my family’s s health. The company also paid for the education of my two children through its bursary scheme. I am also grateful that the company has throughout the years, continued to recognize and appreciate us employees through hosting events like the family fun day and the long service awards. I would like to thank NamPower for making me the man I am today. When March 2019 comes, I will be a full time farmer and spend the rest of my years with my family at my homestead. ”



Shifa Haindongo



Tuahameni Ndemoongela

NamPower staff gives to Findano Pre Primary



Class A

Residing in the Goreangab area on the outskirts of Windhoek for over 20 years, Teopolina Nangolo's dream has always been to better the living conditions of the children in her underprivileged community. So, in 1998 when Teopolina finally gathered enough money to buy a small residential plot for her family, she instead gave it back to her community by building a one-classroom kindergarten. She named it Findano Pre Primary School. Findano means "Victory". When asked why the name Findano, Teopolina explains that after the hardships she has been through and finally being able to help her community, she had now attained victory.

"We started off with 7 children and the number quickly grew to 54. This fast increase showed me that there were more children in the community that needed care taking. All the children were from needy homes and would come to school on an empty stomach".

Realizing this, Teopolina started raising funds for a bigger plot with the vision of building an ever bigger kindergarten to accommodate more children. Finally, after years of securing and paying off a bigger plot through sponsorships, Findano Pre Primary School moved onto a more accommodating space in 2014.



Teopolina Nangolo receiving the donated items with the children

Since then, the pre-primary school has built a structure with 2 classrooms and a kitchen. It is now school to 84 children and has 8 staff members in its employment. During week-days while Teopolina is busy at her full time job as a Security Officer at NamPower's National Control Building, her 27 year old son assists with managing the school.

"My ultimate vision is to break the generational cycle of poverty in my community. Through my kindergarten, I want children to be given the educational foundation they need to succeed in life and to become contributing citizens one day. Many do not know that I studied Theology and I am also a Pastor. Through this capacity I also try to instil moral values in the children".



Findano Pre Primary School

In December 2017, NamPower employees donated non-perishable foods which would be donated to a local charity. The goods collected were handed to Teopolina Nangolo on behalf of Findano Pre Primary School. Speaking at the handing over at the school, Teopolina thanked the colleagues who made the donations.. "In the early 2000's NamPower gave us a financial donation to buy chairs for the children.

I hope that my story will encourage other community members to set up projects for the benefit of their communities. You are never too small to make a difference".

NamPower Foundation betters lives in Lizuali



The NamPower Foundation is driven by the conviction that quality education is at the core of nation building and plays a critical role in the socio-economic development of the nation. As such, the NamPower Foundation has been contributing to the education sector through a wide variety of initiatives and is committed to continue doing so.

Lizuali Combined School, situated in Lizuali community in the Zambezi region, recently became one of the beneficiaries of the foundation. The majority of the school's attendants are classified as underprivileged and walk many kilometres to school every day. In addition,

there are a large number of orphaned children who hail from child-headed households. Acting on a request from the school, the Foundation built a hostel to the value of more than N\$ 600 000, to house and create a conducive learning environment for the learners, more specifically the orphans and the underprivileged who walk long distances to school each day.

The hostel was officially handed over to the school principal, Leonard Sikabongo in February, in the presence of the Zambezi Education Director, Mr Samupwa Austin, and the Constituency Councillor, Hon. Munali Beaven, among others.

Powering Namibia's Future through Education



Bursary recipients, pictured with the Managing Director Kahenge Haulofu

NamPower this year awarded twenty-four full bursaries through its bursary scheme, to students starting their tertiary education journeys at institutions in Namibia and the SADC region.

The beneficiaries, who hail from 8 regions across the country, will be pursuing studies in the fields of Engineering (Electro-Mechanical, Mechatronic, Electrical and Power), Information Technology, Math and Science, Business Administration and Special Education in several universities across Namibia and South Africa.

The criteria for the selection of the final candidates for the NamPower bursaries included critical factors such as academic performance and financial need.

The NamPower Bursary Scheme has been in existence for more than 20 years, and has invested millions towards bursaries for Namibian students for education at tertiary institutions locally, and in other countries in the SADC region.

THE POWER OF KNOWING

There is a thin line between what you use and what we are able to supply.

ENERGY SAVING TIPS: COMMERCIAL & SERVICE SECTOR

NamPower encourages organisations to make energy saving part of the way they do business. This requires that organisations begin to ask themselves a few fundamental questions on how to save energy and how this will ultimately impact on their bottom line. These are some of the questions that organisations need to ask themselves:

- How much electricity does the organisation presently use?
- How much does it cost the organisation on a monthly basis?
- What are the best ways to save energy in the everyday operations of the organisation?
- How can these savings plans be integrated into the company strategic plan to raise general awareness across the company?
- What can be done to make staff energy conscious and part of the daily drive to save energy?

The following are some of the ways organisations can save energy:

Energy saving tips for Office buildings

- Make sure that doors between air conditioned offices and spaces without air conditioning, such as corridors and passages, are closed at all times. Seal cracks and broken windows that allow air to escape.
- Install blinds and awnings to reduce the amount of sunlight penetrating rooms through windows in the summer. By opening them in winter, more heat is allowed in, reducing the need for heating.
- In areas that have high levels of natural light, consider switching off electric lights. Replace conventional light bulbs with compact fluorescent light bulbs (CFLs) or light-emitting diode (LED) light bulbs.
- Use wall and ceiling insulation to reduce heat loss and consider the installation of double glazed windows.

How staff can help to save energy

By making efficient use of office equipment and appliances staff can contribute to savings.

Lighting

- When buildings with centralised air conditioning plants are fitted with energy efficient lighting, these systems generate less building heat load, so energy is saved on cooling equipment.
- Office lights should be switched off at night in unoccupied areas.
- Use natural light during the day instead of switching on lights.
- Install energy efficient lighting systems and get an expert to advise you when choosing lighting for the office.

Office Equipment

- Electricity efficient equipment reduces your electricity consumption.

- Switch off equipment not in use, e.g. computers and air conditioners. It wastes electricity and generates heat that has to be overcome by the air cooling system.
- Use flat computer screens where possible as they use less energy than older monitors.
- Kitchen appliances such as urns and kettles should be switched off when not in use.
- Ensure that air conditioning is only running in rooms that are occupied.
- Check that office heating, ventilation and air conditioning systems are working correctly. Regular maintenance and replacement of filters and belts saves energy and costs.
- Make sure fans and pumps are working correctly as they use significant amounts of electricity.

Let's work together and use electricity sparingly

www.nampower.com.na



NamPower

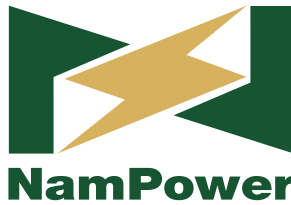
Powering the Nation and Beyond

NamPower Snaps

The NamPower Year End Braai in December 2017.







Powering the Nation and beyond

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