

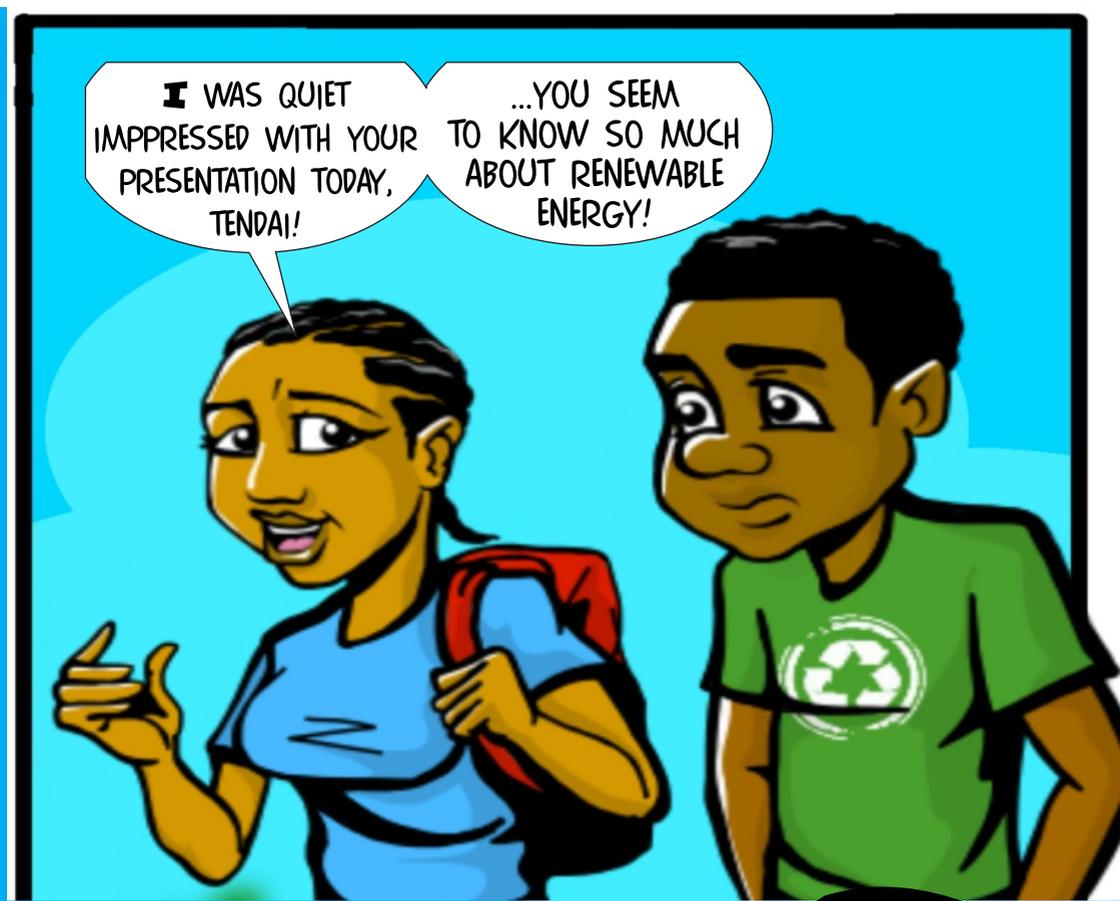
ACTION 24

Empowering Young People Through Climate Change



GREEN & INCLUSIVE ENERGY PROGRAMME in Zimbabwe

"Increasing Youth Participation in Renewable Energy Policies and Strategies"



I WAS QUIET
IMPPRESSED WITH YOUR
PRESENTATION TODAY,
TENDA!

...YOU SEEM
TO KNOW SO MUCH
ABOUT RENEWABLE
ENERGY!

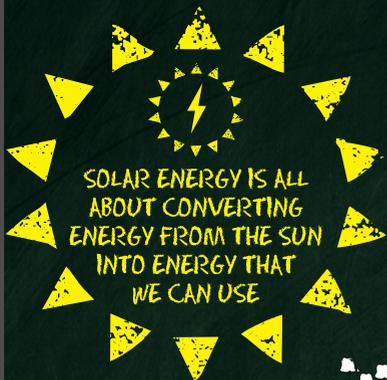


WELL,
THANK YOU,
NETSA!

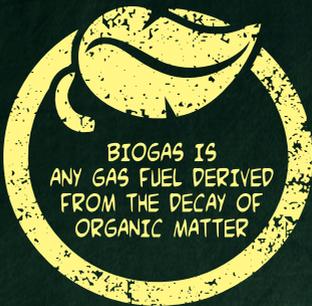


AS YOU
SHOULD KNOW,
ZIMBABWE, LIKE THE
REST OF THE WORLD
HAS REALISED THE
NEED TO **GO-
GREEN!**

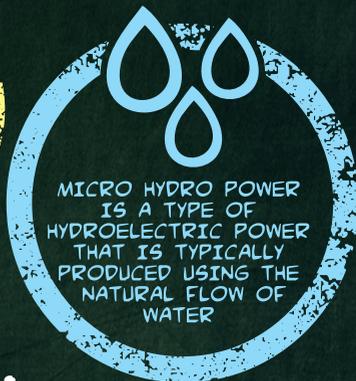
A RENEWABLE
ENERGY POLICY HAS
ALREADY BEEN PUT IN
PLACE!



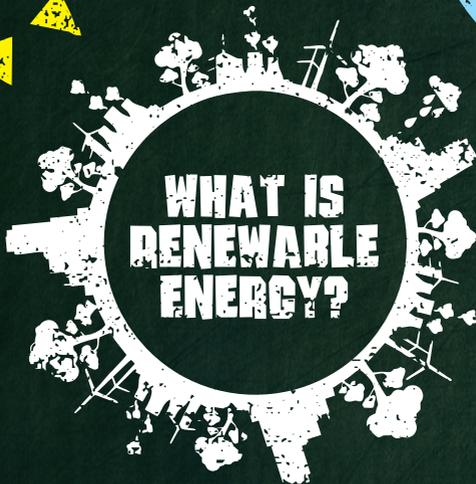
SOLAR ENERGY IS ALL ABOUT CONVERTING ENERGY FROM THE SUN INTO ENERGY THAT WE CAN USE



BIOGAS IS ANY GAS FUEL DERIVED FROM THE DECAY OF ORGANIC MATTER

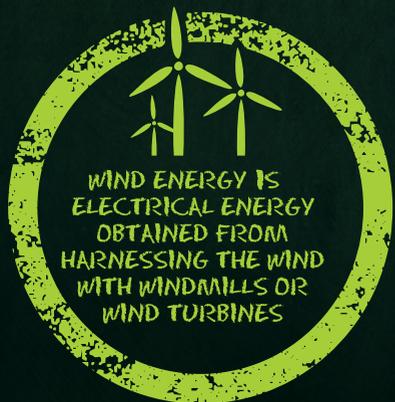


MICRO HYDRO POWER IS A TYPE OF HYDROELECTRIC POWER THAT IS TYPICALLY PRODUCED USING THE NATURAL FLOW OF WATER



WHAT IS RENEWABLE ENERGY?

ENERGY FROM A SOURCE THAT IS NOT DEPLETED WHEN USED, SUCH AS WIND, SOLAR POWER, SMALL HYDROPOWER OR BIOMASS.



WIND ENERGY IS ELECTRICAL ENERGY OBTAINED FROM HARNESSING THE WIND WITH WINDMILLS OR WIND TURBINES



WASTE MANAGEMENT IS INCREASINGLY BEING USED TO PRODUCE BOTH MATERIALS AND ENERGY, AND RECYCLING NOW SAVES MORE GREENHOUSE GASES THAN IT GENERATES



WELL, SAY
I DO BUY YOUR
STORY AND WE
REALLY HAVE A
POLICY,

WHY WOULD
SOMETHING SO BIG
AND IMPORTANT
NOT BE ON THE
RADAR!?

I MEAN,
COME ON!

...WE SHOULD
HAVE BEEN BOMBARDED
ALREADY BY NOW WITH
AWARENESS CAMPAIGNS
OR AT THE LEAST...

...SEEN A FEW
PROJECTS...

...RIGHT, TENDA!

YOU ALREADY
KNOW CORPORATES
WOULD BE PULLING OFF
SOME MOVES JUST TO
GET WITH THE
PROGRAMME!

WHY USE RENEWABLE ENERGY?

- TO HELP OUR CLIMATE AND REDUCE POLLUTION BY USING RENEWABLE ENERGY SOURCES
- REDUCE OUR DEPENDENCE ON FOSSIL FUEL WHICH ARE BECOMING MORE EXPENSIVE AND DIFFICULT TO FIND.
- LESS DEPENDENCE ON FOSSIL
- FUELS ENSURES OUR ENERGY SECURITY NEEDS ARE MET.





BIOENERGY IS THE CONVERSION OF BIOMASS (ORGANIC MATERIAL ORIGINATING FROM PLANTS, TREES AND CROPS AND ESSENTIALLY THE COLLECTION AND STORAGE OF THE SUN'S ENERGY THROUGH PHOTOSYNTHESIS) INTO USEFUL FORMS OF ENERGY SUCH AS HEAT, ELECTRICITY AND LIQUID FUELS.

BIOMASS CONTINUES TO ACCOUNT FOR AN ESTIMATED 1/3 OF PRIMARY ENERGY USE, WHILE IN THE POOREST COUNTRIES UP TO 90% OF ALL ENERGY IS SUPPLIED BY BIOMASS

YOUR IGNORANCE INTRIGUES ME,

AS YOU SHOULD KNOW ZIMBABWE HAS BEEN PUSHING AND PROMOTING THE RENEWABLE ENERGY POLICY SINCE AS EARLY AS 2012, AND EVEN SOONER BY THE SAME PRIVATE ENTITIES.

OKAY MR.KNOW-IT-ALL

SO TELL ME HOW DOES ONE GET INFORMATION ON ALL THIS?



ROOSEVELT GIRLS HIGH SCHOOL USES A BIOGAS FOR COOKING AND IT IS FED WITH AGRICULTURE, MUNICIPAL, FOOD AND PLANT MATERIAL WASTE. BIOGAS CAN ALSO BE USED AT FARMS, HOSPITALS AND AT HOUSEHOLDS WITH ORGANIC WASTE.





THE CHIPENDEKE MINI-HYDRO ELECTRICITY PROJECT WHICH IS SITUATED ALONG CHITORA RIVER IN MANICALAND PROVINCE IS ONE EXAMPLE OF THE SUSTAINABLE ENERGY FOR ALL (SE4ALL) INITIATIVE CARRIED OUT BY PRACTICAL ACTION AND OTHER NON-GOVERNMENTAL ORGANISATIONS IN AN EFFORT TO INCREASE ACCESS TO ENERGY IN RURAL COMMUNITIES.

THE MINI- HYDRO ELECTRICITY PROJECT PROVIDES 25 KILOWATTS OF ELECTRICITY WHICH SERVES ALMOST 30 HOUSEHOLDS



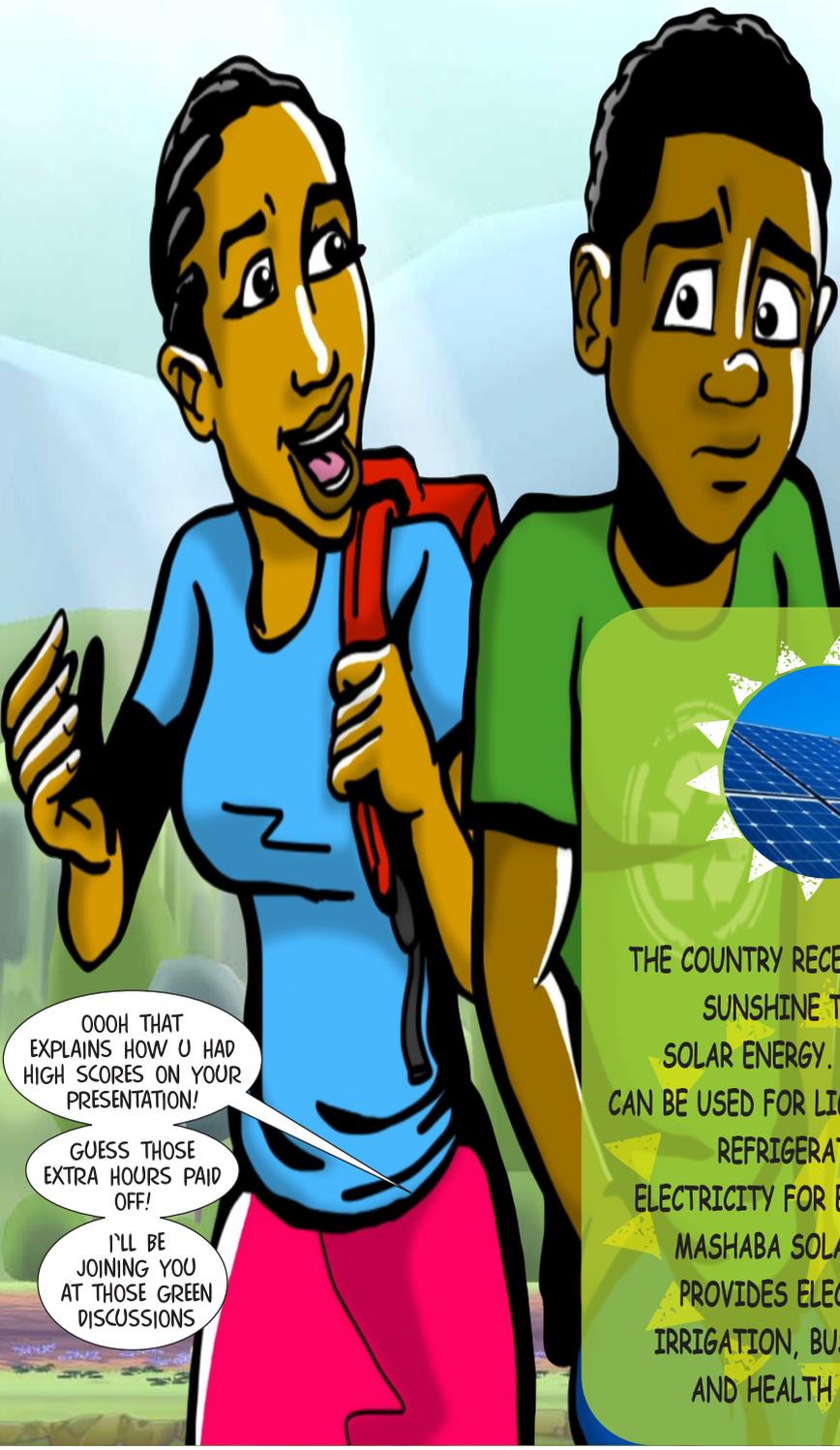
WELL THE LIST IS LONG, OTHER THAN GOOGLE IN ZIMBABWE WE HAVE THE MINISTRY OF ENERGY

ZIMBABWE ENERGY REGULATORY AUTHORITY (ZERA)

AND ZIMBABWE ELECTRICITY TRANSMISSION AND DISTRIBUTION COMPANY (ZETDC)

ACTION 24 HOLDS WHAT THEY CALL GREEN DISCUSSIONS, THAT'S USUALLY WHERE I GO FOR UPDATES ON THE LATEST IN GREEN PROJECTS!





OOH THAT EXPLAINS HOW U HAD HIGH SCORES ON YOUR PRESENTATION!

GUESS THOSE EXTRA HOURS PAID OFF!

I'LL BE JOINING YOU AT THOSE GREEN DISCUSSIONS



THE COUNTRY RECEIVES SUFFICIENT SUNSHINE TO PRODUCE SOLAR ENERGY. SOLAR ENERGY CAN BE USED FOR LIGHTING , HEATING, REFRIGERATION AND ELECTRICITY FOR ENTERTAINMENT. MASHABA SOLAR MINI-GRID PROVIDES ELECTRICITY FOR IRRIGATION, BUSINESS CENTRE AND HEALTH FACILITIES.



WIND POWER
IS THE USE OF AIR FLOW
THROUGH WIND TURBINES TO
POWER GENERATORS FOR ELECTRIC
POWER. WIND POWER, AS AN
ALTERNATIVE TO BURNING FOSSIL FUELS,
IS PLENTIFUL, RENEWABLE, WIDELY
DISTRIBUTED, CLEAN, PRODUCES
NO GREENHOUSE GAS
EMISSIONS.

THANKS FOR
THE INSIGHT! NEXT
PRESENTATION I'LL BE
WELL EQUIPPED!

WHAT ARE WE DOING AS A COUNTRY FOR RENEWABLE ENERGY?

WE HAVE DRAFTED THE 2017 RENEWABLE ENERGY POLICY WHICH FOCUSES ON PROVIDING THE FOLLOWING BENEFITS FOR THE PEOPLE OF ZIMBABWE

IMPROVING SOCIO-ECONOMIC CONDITIONS IN ZIMBABWE

AFFORDABILITY

PROVISIONS AND INCENTIVES IN THE POLICY WHICH WILL MAKE ELECTRICITY CHEAPER AND MORE AFFORDABLE. IMPORT DUTY EXEMPTIONS FOR COMMUNITY FUNDED PROJECTS OR NGO WHICH LEAD TO DECREASE IN THE COST OF EQUIPMENT AND TAX EXEMPTION ON OFF-GRID PROJECTS, HENCE MAKING IT MORE AFFORDABLE.

DEVELOPMENT OF INDUSTRIAL AND COMMERCIAL ENTERPRISES

THE POLICY AIMS TO IMPROVE ENERGY ACCESS IN THE COUNTRY WHICH SHALL PROMOTE INDUSTRIAL GROWTH, FORMATION OF NODAL AGENCY AND ROBUST PROCUREMENT MECHANISMS WILL PROMOTE PRIVATE PARTICIPATION IN RENEWABLE ENERGY PRODUCTS.

INVOLVING WOMEN ENTREPRENEURS

WOMEN ENTREPRENEURS AND REPRESENTATIVES SHOULD BE INVOLVED IN ENERGY PLANNING AND POLICY FORMULATION, AND OTHER INITIATIVES IN RENEWABLE ENERGY DEVELOPMENT.

AVAILABILITY

POLICY PROVISIONS FOCUSING ON GRID EXPANSION BY ZEPD, AND HIGHER UPTAKE OF OFF-GRID TECHNOLOGIES SHALL IMPROVE ACCESS TO ELECTRICITY.

FOOD SECURITY

CROPS CAN BE IRRIGATED USING RENEWABLE ENERGY POWERED PUMPS INSTEAD OF WATERING BY HAND, WHICH DRAMATICALLY INCREASES CROP YIELDS AND REFRIGERATION CAN DRAMATICALLY EXTEND THE LONGEVITY OF PRODUCE.

ACCESS TO TECHNICAL EDUCATION

THE POLICY RECOMMENDS SPECIFIC STEPS SHOULD BE INITIATED TO IMPROVE ACCESS OF WOMEN TO TECHNICAL EDUCATION.

SUSTAINABILITY

THE POLICY SETS THE RENEWABLE ENERGY TARGETS TO ACHIEVE THE INDC OBJECTIVES OF ACHIEVING 33% LESS GREEN HOUSE GAS EMISSIONS FROM ENERGY SECTOR.

GENDER EQUITY

THE POLICY RECOMMENDS CERTAIN KEY INITIATIVES TO ADDRESS GENDER ISSUES AND MOVE TOWARDS A GENDER-NEUTRAL PARTICIPATION IN RENEWABLE ENERGY PRODUCTS.

TRAINING PROGRAMS

IN COLLABORATION WITH NGOs, TRAINING PROGRAMMS SHALL BE DESIGNED TO FOCUS ON TRAINING WOMEN ON BUSINESS PLAN DEVELOPMENT, PROCUREMENT, MARKETING, FINANCIAL MANAGEMENT, LEGAL FRAMEWORKS, ATTEMPTIVE SUPPLY CHAINS, BUSINESS MODELS, AND LAND TITLING ARRANGEMENTS.

EMPLOYMENT OPPORTUNITIES

THE POLICY RECOMMENDS THAT AT LEAST 40% OF THE WORKFORCE EMPLOYED IN THE RUNNING OF THE RENEWABLE ENERGY PLANT SHOULD BE FROM THE LOCAL COMMUNITIES WHICH SHOULD BE IN LINE WITH THE NATIONAL YOUTH POLICY. THE POLICY RECOMMENDS KEY INITIATIVES TO PROMOTE SKILL DEVELOPMENT PROGRAMS FOR AN EFFICIENT AND TRAINED WORKFORCE.

CHILDREN AND YOUTH PARTICIPATION

DEVELOPMENT ACTIVITIES INCLUDING CONSTRUCTION OF RENEWABLE ENERGY PLANTS, PROMOTION ACTIVITIES, MANAGERIAL AND ENTREPRENEURSHIP PROMOTION, AND AWARENESS CAMPAIGNS OF THE GOVERNMENT SHALL BE MARKED BY INCREASED PARTICIPATION OF CHILDREN AND YOUTH (PEOPLE BELOW THE AGE OF 35) AND CHILDREN OF THE LOCAL COMMUNITIES. THE POLICY RECOMMENDS EDUCATIONAL COURSES ON RENEWABLE ENERGY TECHNOLOGIES TO BE CONDUCTED IN COLLABORATION WITH UNIVERSITIES AND OTHER EDUCATIONAL INSTITUTIONS FOR YOUTH AND CHILDREN.

BENEFITS TO LOCAL COMMUNITIES

THE POLICY MAKES PROVISIONS FOR MINIMUM CONTRIBUTION OF AT LEAST 12% OF TOTAL REVENUE FOR COMMUNITY DEVELOPMENT, AND THAT APPROPRIATE LOCAL OWNERSHIP OF EACH PROJECT WITH CAPACITY LESS THAN 2 MW AS PER THE INDIGENIZATION LAWS, FOR LARGER PROJECTS, THE DEVELOPERS NEED TO CONTRIBUTE A CERTAIN PERCENTAGE OF THEIR RETURNS IN DEVELOPMENTAL ACTIVITIES OF NEARBY COMMUNITIES.

IMPROVED ACCESS TO BASIC FACILITIES

ACCESS TO ENERGY SERVICES IN SCHOOLS AND HEALTHCARE FACILITIES SHALL EMPOWER CHILDREN, AEP AND RURAL COMMUNITIES HAVE ACCESS TO BETTER HEALTHCARE AND EDUCATION SERVICES. THE POLICY SHOULD ENSURE THE SPECIAL COMMUNITIES INCLUDING CHILDREN AND YOUTH GET BASIC ACCESS TO ELECTRICITY FROM RENEWABLE SOURCES WITH WELL-DESIGNED SCHOLARSHIPS BY THE MINISTRY OF ENERGY AND POWER DEVELOPMENT.

ASSESSMENTS AND AUDITS

THE POLICY SUGGESTS TO CONDUCT REGULAR ASSESSMENTS AND AUDITS OF GENDER SPECIFIC ISSUES AND UNDERLYING BARRIERS TO DETERMINE THE EFFECTIVENESS OF THE POLICY MEASURES.



EGREEN & INCLUSIVE
ENERGY PROGRAMME
in Zimbabwe



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