

MALAWI ENERGY COMPACT TOWARD UNIVERSAL ACCESS TO CLEANER COOKING SOLUTIONS FOR ALL MALAWIANS

Through its Energy Compact, Malawi intends that all households and institutions have access to climate-friendly, energy-saving or cleaner cooking solutions and can transition to technologies of choice.

MALAWI'S CLEAN COOKING FOCUS

Inefficient cooking practices result in negative impacts for the climate, environment and human health. Scalable solutions for efficient cooking technologies and alternative cooking fuels from sustainable sources are required to be able to supply 100% of the Malawi population by 2030.

Currently, the market share and adoption rate of cleaner cooking technologies and alternative cooking fuels is low, and uptake is slower than desired in Malawi. Based on the same, Energy Compact targets were suggested by the

National Cookstove Steering Committee (NCSC), which is a multistakeholder committee coordinated by development and private sector partners active in the cleaner cookstove and alternative cooking fuels sector, and chaired by the Ministry of Energy.

In the past year, learnings from Energy Compact implementation include the need to build capacity for domestic manufacturing of various EE technologies, as well as a robust M&E system for reporting purposes.

HOW IS MALAWI'S ENERGY COMPACT TRANSFORMING COMMUNITIES?

- ✓ By decreasing the share of non-renewable biomass through sustainable and regulated production, and sourcing of a mix of cooking fuels including renewable biofuels (e.g. solid biomass, ethanol, biogas etc.), LPG, and electricity from renewable sources, on a pathway to net-zero emissions by 2050.
- ✓ By ensuring that the rural population phases out open fires through universal access to transitional, efficient wood stoves, and the urban population reduces the share of unsustainably produced charcoal and transitions to alternative cooking fuels and/or sustainably produced charcoal by 2030.
- ✓ By incorporating green economy investment measures for sustainable sourcing and production of alternative fuels, such as solar electricity generation, waste-to-energy projects for production of biogas, pellets, and briquettes (including provision of appropriate stoves corresponding to respective fuel types).
- ✓ A critical focus of Malawi's Energy Compact is household cooking. The cooking energy situation of households will be incorporated in more detail in the population census to capture the relevant information on cooking technologies and fuel use at no or low additional cost. This will inform the detailed outcome figures.

- ✓ Geospatial observation and mapping exercises carried out by existing institutions and programmes will be used for monitoring the natural resource base.
- ✓ Consolidated reporting of members of the National Cookstove Steering Committee, who implement cleaner cooking activities, will continue to be used to complement reporting by the activities carried out by the Ministry of Energy.

HOW IS MALAWI ACHIEVING ITS ENERGY COMPACTS GOALS?

- ✓ By harmonizing policies and coordinating implementation efforts for environmental sustainability, for example: through forest landscape restoration, climate action, access to finance, research and development, and standardization of cleaner cooking solutions.
- ✓ By improving incentives for the private sector and enhancing commitments and strong partnerships to scale efficient manufacture, supply, use and financing of cleaner cooking technologies and fuels.
- ✓ By engaging private sector players and civil society in the production of electric power for low-consumption electric cooking devices.
- ✓ By strengthening law enforcement using existing and new structures to establish, regulate and protect efforts for sustainable sourcing of wood-fuel in order to promote sustainable commercial forestry for firewood and charcoal production.
- ✓ By incentivizing private sector investment to establish manufacturing plants for the production and distribution of different biomass technologies, as well as sustainable commercial forestry for firewood and charcoal production.
- ✓ By ensuring the availability of LPG, biogas and natural gas in sufficient quantities at affordable prices for industrial and domestic uses.
- ✓ By making use of existing regulatory frameworks, such as existing charcoal regulations for production, storage, distribution and transportation.

DIVERSIFIED RENEWABLE ENERGY PRODUCTION:

There is a need to shift from unsustainable biomass energy sources to sustainable and diversified renewable energy production. The 2018 National Energy Policy (NEP) of Malawi advocates for supporting waste to energy projects based on residues, especially from agricultural and forestry (biogas, briquettes, pellets) and supporting by way of incentives, the growth of industries in manufacturing and distribution of improved cookstoves, briquette, pellet production infrastructure and charcoal kilns. The 2018 NEP also advocates for incentivizing distribution licensees to devise schemes that will enable consumers to connect electricity to their homes and afford basic energy efficient electrical appliances. So far, lifeline tariffs have been introduced to enable low-income households to afford electricity.

MALAWI ENERGY COMPACT GOALS:

- ✓ Malawi's Energy Compact aims to impact the entire population of 25 million people by 2030. The Compact goals are to allow access to transitional firewood technologies and bring awareness of alternatives to unsustainably produced charcoal and firewood.
- ✓ This results in reduced GHG emissions, reduced health impacts (respiratory illnesses and musculoskeletal injuries, etc.), fuel, time and labour savings, alternative income generation, which reduces poverty levels, increased forest restoration, and reduced land degradation. Currently, 85% of the population live in rural areas and only 15% in urban areas.