



Energy efficiency of cooling equipment directly impacts Kenya's “Big Four” agenda

The Kenyan government released an ambitious development plan to elevate Kenya to a middle-income country by 2022. The “Big Four” agenda focuses on: universal healthcare, affordable housing, increased manufacturing capacity, and food security.

Cooling and refrigeration are essential to improving lives and livelihoods, affecting everything from healthcare to education to work performance and productivity. The room air conditioners (AC) and residential refrigerators market in Kenya is projected to grow by 6% annually through 2022.

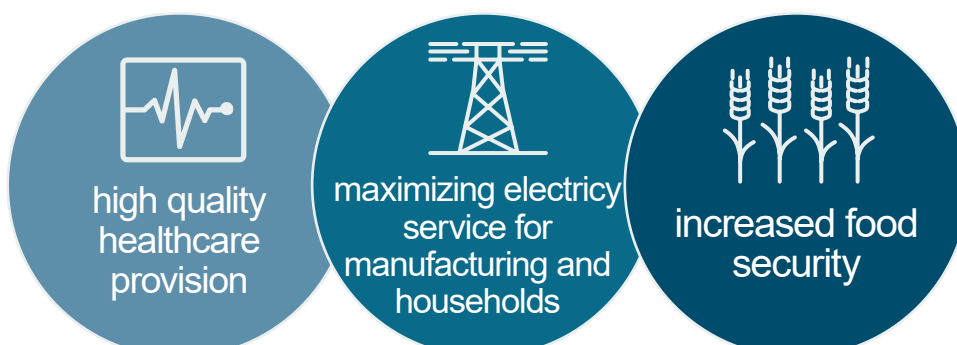
Affordable cooling **increases food security** by ensuring reliable cold chains especially in the rural, newly-electrified regions. Improved agricultural cold chains would reduce food losses and increase incomes of small holder farmers who produce over 60% of Kenya's total agricultural output.

Universal healthcare requires refrigeration to preserve vaccines and medical supplies, supporting Kenya's goal to vaccinate 90% of children before their first birthday. Efficient equipment allows hospitals and other medical facilities to cut electricity costs while expanding healthcare services.

Efficient appliances can improve the quality of **affordable housing** by lowering the cost of accessing thermal comfort and modern energy services.

Finally, reduced energy consumption achieved through energy efficient cooling frees up electrical grid capacity for **increased manufacturing** and reduces greenhouse gas emissions, helping Kenya meet its nationally determined contribution targets under the Paris Agreement.

Energy efficient, affordable cooling is essential to...



Kigali Cooling Efficiency Program in Kenya

Under the Kigali Amendment of the Montreal Protocol, 197 countries committed to cut the production and consumption of hydrofluorocarbons (HFCs) — potent greenhouse gases used in refrigeration and air conditioning — by more than 80 percent over the next 30 years. This effort has the potential to avoid up to 0.5° C of global warming by the end of the century. The Kigali Cooling Efficiency Program (K-CEP) is a philanthropic program to support the Kigali Amendment of the Montreal Protocol. K-CEP focuses on the energy efficiency of cooling to increase and accelerate the climate and development benefits of the Kigali Amendment to phase down HFCs.

As a K-CEP grantee, CLASP is partnering with the Kenyan Energy Regulatory Commission and the Kenya Bureau of Standards, the agencies responsible for standards development and policy implementation. Together we will revise and modernize standards for ACs and residential refrigerators.

Learn more at clasp.ngo/Africa.

Standards & Labeling Policy Revisions 	Compliance 	Market Transformation 
<p>Market assessment of ACs & residential refrigerators</p> <p>Provide implementing agencies with technical support during revision of AC & residential refrigerators standards and test methods</p>	<p>Assess current compliance framework</p> <p>Capacity building on implementation of a robust compliance strategy</p>	<p>Assess the public and private institutional capacity and market maturity to identify opportunities to implement programs that will transform the market for ACs and residential refrigerators in Kenya</p>

Expected Program Impacts

 <p>PREVENT INEFFICIENT COOLING PRODUCTS from entering the Kenyan market</p>	 <p>10 STAFF TRAINED in Kenya on compliance best practice</p>
 <p>GREATER PENETRATION OF HE/ LOW-GWP AIR CONDITIONERS & RESIDENTIAL REFRIGERATORS</p>	 <p>0.34 MT CO2 AND 1.0 MT CO2 CUMULATIVE EMISSIONS REDUCTIONS from 2020 – 2030 from implementing best MEPS for ACs & refrigerators respectively</p>



CLASP improves the energy and environmental performance of the appliances & equipment we use every day, accelerating our transition to a more sustainable world. Our programs increase uptake of affordable, low-impact, high-quality appliances. We serve as the leading international voice & resource for appliance energy efficiency policies and market acceleration initiatives.