MINISTRY OF ENERGY AND PETROLEUM
STATE DEPARTMENT FOR PETROLEUM
REPUBLIC OF KENYA

OFFICIAL LAUNCH OF THE LPG PROGRAMME FOR PUBLIC INSTITUTIONS OF LEARNING

Quick glance at the LPG Programme for Public Institutions of Learning

Objectives

1. To introduce LPG as a clean cooking solution in learning institutions across the country, as an alternative to biomass.
2. To mitigate environmental degradation by providing LPG as a cooking solution, as compared to firewood and charcoal.
3. To create awareness about the benefits of using LPG as compared to the use of traditional forms of fuel.
4. To reduce respiratory ailments in learning institutions, that arise from indoor pollution associated with the use of firewood and charcoal.
5. To reduce greenhouse gas emissions that are major contributors to global warming.

Beneficiary requirements

Cookstoves

- Installation of energy-saving cookstoves.
- Conversion of cookstoves and installation of piping, regulators and burners.

Storage tanks and accessories

- Two tanks (1 ton each) or (two-tons each) and accessories such as regulators, shut off valves, leak detectors, and fire extinguishers.

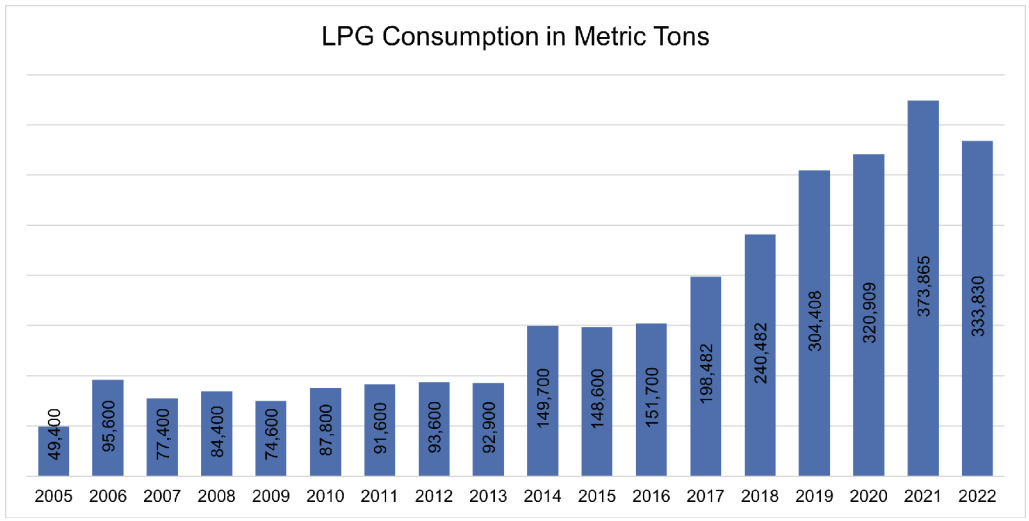
Civil works and seed gas

- Civil works will include construction of a cage and slab to house the LPG tank.
- Seed gas (consumables) will be provided with each tank.

Training

- Training of school staff on safe handling of LPG.

LPG Consumption in Kenya from 2005 to 2023



Source: EPRA Statistics Report for the Financial Year ended 30TH June 2023

Benefits of LPG

- LPG is easy to store and transport.
- Has a high calorific value.
- LPG combustion emits significantly lower levels of harmful pollutants.
- Reduces carbon footprint.
- Energy Efficient.
- Liquid Petroleum Gas burns consistently, making it more reliable than other forms of energy.
- Has a wide range of applications.
- Use of LPG leads to economic empowerment and social progress.
- The use of LPG has spurred innovation in the industry such as smart meters and reticulation.
- Safety Features: LPG gas comes with built-in safety features that ensure a secure user experience.

Role of LPG in the national economy

- Catalyst of industrialization and job creation.
- Will foster entrepreneurship opportunities, create local jobs, and stimulate economic growth.
- A decentralized energy source that can be used to construct an efficient and stable supply chain system with less capital cost.
- Its use allows for more productive activities such as education and income generation, thereby promoting gender equality and social development.
- Clean cooking solution for households, improving the overall well-being of communities.
- Contributes to economic growth by employing people directly and indirectly across the LPG supply chains.

Technology and innovation in the LPG sector

Home delivery of cylinders
offers convenience to the customer, allows professional delivery personnel to correctly install LPG cylinders, teach customers how to cook safely with LPG, and reassure them about safety.

Cylinder tracking
improves the traceability of cylinders along their lifecycle and enhances safety during the transport and refilling of cylinders.

Innovative digital media
transmit safety and other marketing messages to customers via the Internet and mobile phones, even in remote areas, to educate them and raise their awareness about LPG safety.

Advanced LPG equipment
such as advanced hoses and improved valves, which can significantly reduce the incidence of gas leakages and accident rates in homes, often at very low cost.

Smart metering systems / pay-as-you-cook business models
which use smart valves that allow end customers to keep track of their exact gas consumption and pay with mobile money for small volumes of LPG.

Smart gas sensors
which permit monitoring of the volume of gas in the cylinder, Automatically triggering doorstep deliveries and alerting the user and distributor in the event of a gas leak.

Advanced leak detection systems
installed at distribution facilities and in homes, which are stand-alone devices that detect leaks through Internet of Things (IoT) platforms and potentially trigger emergency procedures.