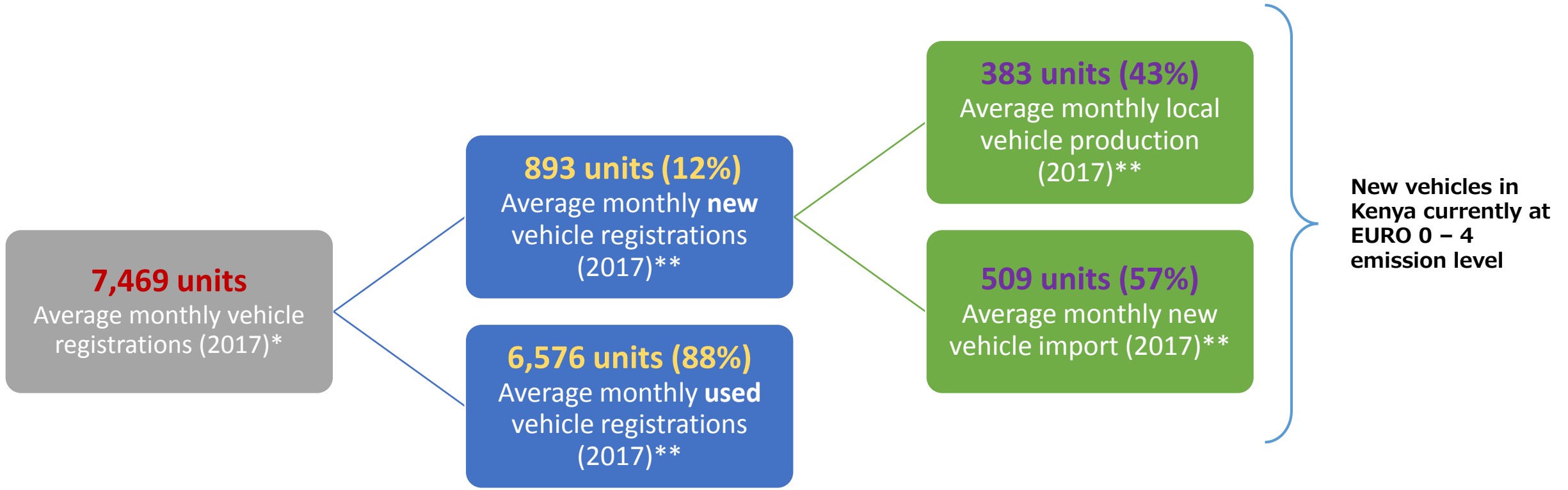


PRODUCTION OF CLEANER VEHICLES IN KENYA

15th March, 2018

Current State: Vehicle Registration Composition

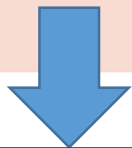


* Source: Kenya National Bureau of Statistics Leading Economic Indicators 2017 Report
** Source: Kenya Motor Industry Association data

Current State: Emissions and Fuel Quality Standards

Emission Standards

- Contained in **DKS1515**: Kenyan standard to regulate quality and condition of road vehicles
- **Simple visual and metered smoke** (opacity) emission tests carried out on petrol and diesel vehicles
- **Majority** of new vehicles produced meet current emission standard in KS1515



Current emission standard is not adequate to achieve cleaner vehicle technology in Kenya

Gasoline Quality

- **EAS158** is the regulatory standard for the EAC that specifies required gasoline quality
- EAS158 supports **Euro3** vehicle hardware
- **Current gasoline quality** in Kenya need improvement to reduce metal content and Sulphur



Quality control at sourcing and distribution as well as enforcement of standard by EAC states need enhancement

Diesel Quality

- **EAS177** is the regulatory standard for the EAC that specifies required diesel quality
- EAS177 supports **Euro4** vehicle hardware



Enablers for Production of Cleaner Vehicles in Kenya

Vehicle manufacturers in Kenya have the capability to manufacture low emission vehicles

Enablers

1

Clear Government Policy

- Clear policy and standards for vehicle emissions measured in terms of (SPM, NOx, CO, VOC). Calls for review of current KS1515 standard
- Enforcement of vehicle fuel quality standard that supports cleaner vehicle hardware
- Develop a clear phased policy implementation plan aligned with OEM new models introduction plan and capacity

2

Driver or Owner Education

- Enhanced education to drivers and vehicle owners to create understanding for necessity of cleaner vehicles
- Generate public buy-in to policy implementation geared towards cleaner vehicles and higher fuel quality
- Capacity building; facilitate mechanics training to handle newer, cleaner vehicles

3

Enhanced Emission Testing at Vehicle Inspection Centres (VICs)

- Increase the number of VICs countrywide
- Equipping vehicle inspection centers with resources to conduct emission vehicle tests by measuring (SPM, NOx, CO, and VOC)
- Consistent enforcement of policy and regulation developed for importation of cleaner vehicles

4

Improved Fuel Handling and Quality Control Infrastructure

- Investment in the upgrade of fuel handling infrastructure (e.g. pipelines, storage tanks) to ensure zero contamination
- Enhanced surveillance by standard bodies to ensure adequate fuel quality testing and quality control across the region

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