



ETHIOPIA'S INITIATIVE TO REGULATE AIR POLLUTION

Major programs

- Green legacy initiative
- discouraging import of used cars
- importation of low sulfur petroleum products
- implementation of renewable energy
 - Hydropower
 - Wind farm
 - Solar power
 - Geothermal



GREEN LEGACY INITIATIVE

Green legacy initiative output would be

- To regain the lost forest which had a coverage of 98% fifty years back
- To cover 6.5 million hectares of rural land
- To sequester carbon emission
- Maintain water quality
- prevent soil erosion
- protect crucial arable land from floods and high winds
- plan to plant 20 billion seedlings by 2024 to help build a green climate resistant economy and beat climate change



GREEN LEGACY INITIATIVE

Achievements

- 350 million trees were planted in just a single day in 2019
- 5 billion trees planted in 2020.
- 6.7 billion planted in 2021
- Fruit bearing trees are included like mango and avocado trees
- Public enthusiasm is developed to plant and subsequent caring of the seedlings
- The initiative has inspired other countries, like Pakistan, India and China to do the same



DICOURAGE IMPORT OF USED CARS

It is believed and understood that,

- Used cars are major contributors to air pollution
- second-hand cars are noted to be one of the major reasons for increasing road accidents
- Consume huge petrol
- Frequent requirement of spare parts entail excessive foreign currency



DICOURAGE IMPORT OF USED CARS

Initiatives taken to avoid used cars importation

- Discourage through heavy taxes and duties
 - Cars over seven years are exposed for 500% excise tax and 35% duty rate
 - Seven years old are required to pay 200% excise and 35% duty
 - Four years old are required to pay 100% excise and 20% duty.
- Encouraging domestic assembly of electric powered vehicles through various incentives like availing land and access for finance.
- Implementation of technology to discard used cars
- Recycling used cars by soliciting appropriate function.
- Establishing automotive research center.



IMPORTATION OF PETROLEUM PRODUCTS

Ethiopia is net importer of petroleum products.

The major products include,

- Gasoil or diesel
- Gasoline or regular petrol
- Jet fuel/kerosine
- Light and heavy fuel oils

Importation proportion of the products is,

- Gasoil covers 65%
- Gasoline 18%
- Jet kero 15%
- Fuel oil 2%



IMPORTATION OF PETROLEUM.....

Initiatives to import low sulfur products .

- 5000ppm Gasoil had been in use until 2010
- Shifted to 2500 ppm in 2011 extending upto 2016
- Since 2017, 500ppm is in use
- It is planned to move to 50ppm in 2023
- Further in 2024 we will be forced to go for 10ppm in conjunction with our major supplier, KPC whose refinery will never produce high sulfur products
- The gasoline status is 10ppm with 92 Ron.



REALIZATION OF RENEWABLE ENERGY

Ethiopia never uses furnace fuel for power generation

Major renewable energy sources used include

- Hydropower
- Wind
- Solar
- Geothermal

Total installed capacity of electric generation is over 4,500 MW, of which

- Hydro 90%
- Wind 8%
- Geothermal 2%



REALIZATION OF RENEWABLE ENERGY....

Renewable Energy projects underway,

- The Grand Renaissance Dam on Abay River expected to generate 6500MW
- Koyisha haydro dam on Omo river with a capacity of 2,160MW
- Solar pannel projects of Afar Rigion
- Geothermal projects in the rift valley regions



JOIN THE MOVEMENT OF GREENING ETHIOPIA!!

THANK YOU