



The value chain of Efficiency allows us to act with different players, with the producer, the transportation or the consumer.

Value chain of Efficiency:

- ✓ An ever increasing consuming market with limited resources generates the need of:
 - ✓ Reduction of unnecesary consumption.
 - ✓ Increase of more economical offer.
 - ✓ Better use of existing resources (cogeneration).

YPF is present in the whole value chain: Producing, Transporting and Consuming.

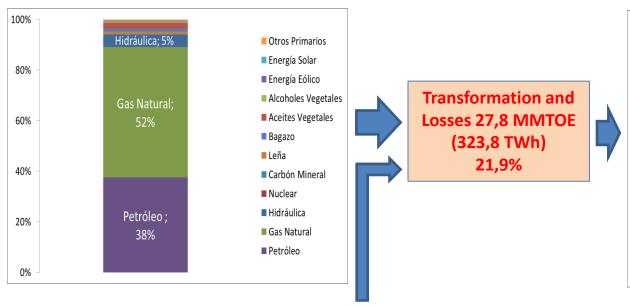




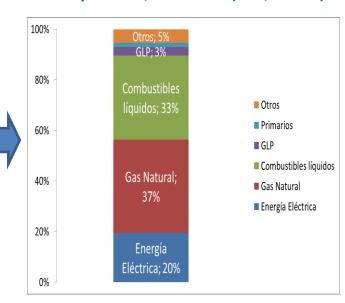


Besides efficiency in the energy use, there are losses in the process of conversion and transportation of that energy.

Primary production 73,2 MMTOE (851,6 TWh)



Final consumption 57,2 MMTOE (664,7 TWh)



Net Import 11,8 MMTOE (136,9 TWh)

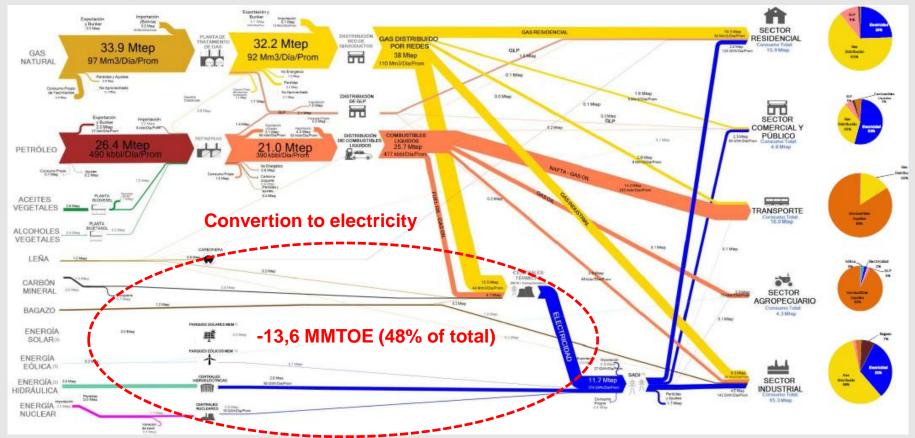
Natural Gas: 8,5 MMTOE

Fuel Oil / Gas Oil: 2,4 MMTOE



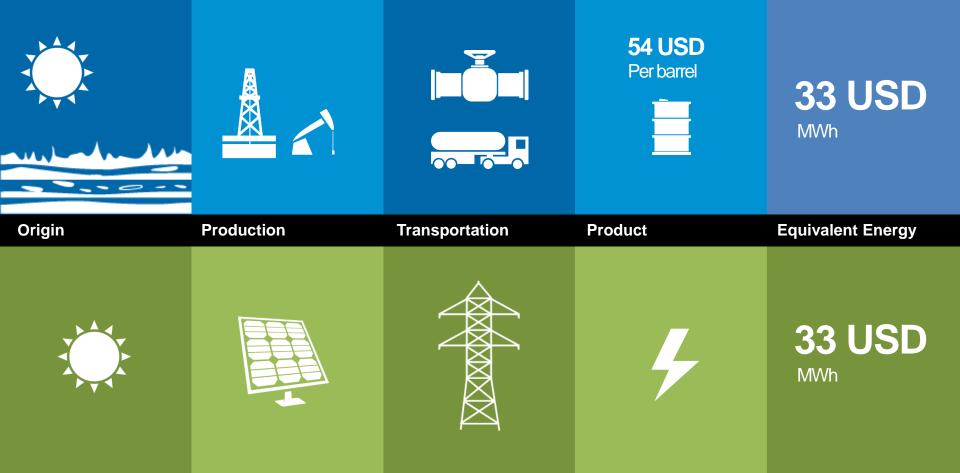
In the process of conversion to electricity, energy is lost. Part due to technical limits, part due to manageable inefficiencies.

Sankey's diagram





Technical convergency of energy transformation impacts on the long term equilibrium prices of fuels, putting pressure downwards





Renewable energies put pressure over hidrocarbons demanding competitiveness: Natural Gas is the better positioned hidrocarbon to stay competitive

Origin	Production	Transportation	Product	Equivalent Energy
			4	33 USD MWh
Netback Value of Oil and Natural Gas				

33 USD







3.6 USD
Per MMBtu

