Increased competitivity of electricity

Voltalia strengthens access to competitive energy

83% of the electricity produced by Voltalia in 2022 is competitive.

A key element in the fight against climate change, renewable electricity has become the cheapest energy on the electricity market, while meeting the energy security challenges of countries and companies. Voltalia has chosen to approach this market by favouring mechanisms without subsidies.

The energy produced by power plants developed, built or operated by Voltalia, on its behalf or that of its customers, allows end consumers (individuals, companies or public administrations) to have access to green electricity that is often cheaper than traditional sources (coal, gas, fuel oil, nuclear).

Definitions :

- **Competitive electricity** is defined as electricity produced by a competitive power plant.
- **A power plant is competitive** if, at the time of its construction, its electricity selling price per MWh (of the first year) is cheaper than that of a new thermal power plant built at the same time on the same electricity network, operating on the most common fuel for a thermal power plant on that network (oil, gas, coal, nuclear). If these data are not available, the selling price is estimated by a LCOE calculation.
- **LCOE** : acronym for "Levelized Cost Of Energy". It corresponds, for a given energy production facility, to the sum of the discounted costs of energy production divided by the quantity of energy produced, also discounted over its lifetime.

Calculation of the indicator methodology :

1) Determination of the competitivity of each Voltalia's plant according to its year of construction and the country in which it is located.
2) Calculation of the percentage of competitivity of the electricity produced:

$$\%\ competitive\ electricity = \frac{\sum production\ (MWh)_{\ competitive\ plants}}{Total\ production}$$

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