

Methodology

Renewables include the production to the territory of Greece (interconnected grid and non-interconnected islands) from wind, photovoltaic - including self-production systems that use the net metering and virtual net metering -, small hydro, biomass, as well as hybrid systems installed on the non-interconnected islands.

Clean energy is the sum of renewable energy sources and large hydro. The contribution of the latter is presented both cumulatively with renewables and separately, as they are considered conventional plants and participate in the electricity market in the same way as thermal plants.

The total renewables production is calculated by summing up the monthly data from IPTO and HEDNO, adding self-production and subtracting the production from fossil gas-fired CHP. The latter is then added to the gas-fired production.

The self-production capacity is taken from the latest available data of the TSO, while for months for which no data are available an estimate is made based on the trend of the change in self-production capacity over the three previous months. The corresponding electricity production is calculated on the basis of the photovoltaic charging rates in the respective months, which are derived from the reports of the Special Renewable Energy Bill from DAPEEP.

The electricity production from CHPs in high voltage is taken from the monthly reports of ADMIE. The electricity production from CHPs at low and medium voltage is taken from the respective monthly reports of the ELAPE of the DAPEEP, subtracting the high voltage part. For the months where data from the DAPEEP's bulletin is not available, an estimate of installed CHP capacity is first made based on the trends of the last three months and then combined with the CHP unit load factors of the respective months as estimated from the historical data of the DAPEEP's bulletins.

Since the electricity production data of the non-interconnected islands from HEDNO are presented with a time lag of one month compared to the interconnected grid data from IPTO, the electricity production of the island plants of the last month is estimated as an approximation. In particular, it is assumed to be equal to that of the same month of the previous year, adjusted to follow the relative trends of the previous months of the current year with respect to those of the previous year.