



# Our Country's Energy: Renewable and Non-renewable Energy

## 1. Overview of the energy production and consumption in our country

- As of 2023, our country is the world's largest energy producer and consumer.
- As of 2021, our country's energy consumption is dominated by the industrial sector.
- For electricity generation, as of 2022, the major energy sources are coal, hydropower, and wind.

Energy resource	Electricity generation (GWh)	Key regions
Coal	5,524,217	Nei Mongol Zizhiqu, Shaanxi, Shanxi
Hydrpower	1,352,195	Southwestern regions in China
Wind power	762,671	Nei Mongol Zizhiqu, Xinjiang Uygur Zizhiqu, Gansu
Solar PV	427,270	Qinghai, Xizang Zizhiqu
Natural gas	266,669	Xinjiang Uygur Zizhiqu, Sichuan Basin
Biofuels	181,707	Nationwide
Oil	8,719	Northeastern regions in China, Bohai Sea

## 2. Non-renewable energy

- **Coal:**
  - As of 2023, our country is the largest coal producer in the world.
  - Coal is our country's primary energy resource, mainly used for electricity generation and industrial processes.
- **Oil and natural gas:**
  - Oil is used for transportation, industry, and as a feedstock for petrochemicals.
  - Natural gas production is increasing rapidly in our country, is used for electricity generation, heating, and industrial fuel.

### References:

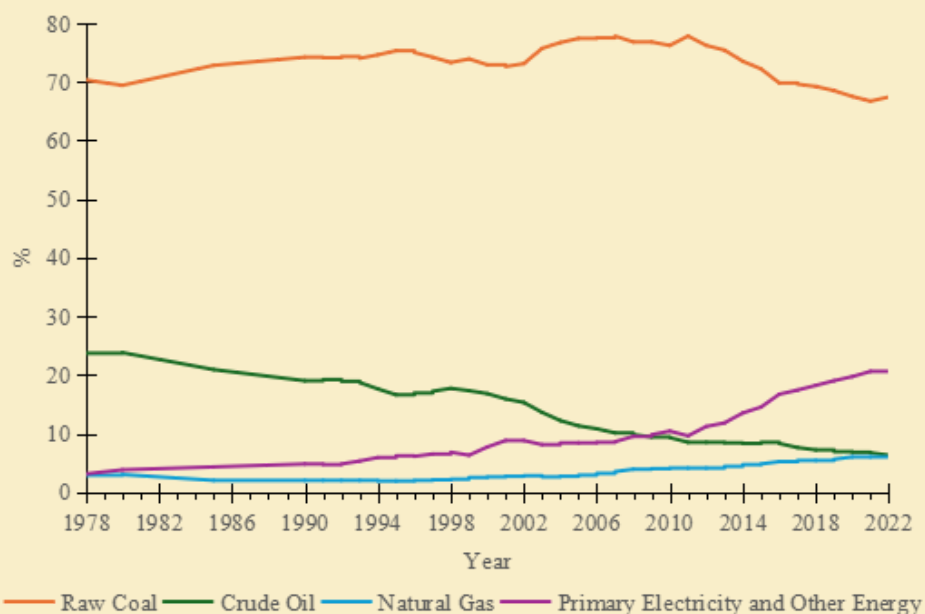
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## 3. Renewable energy

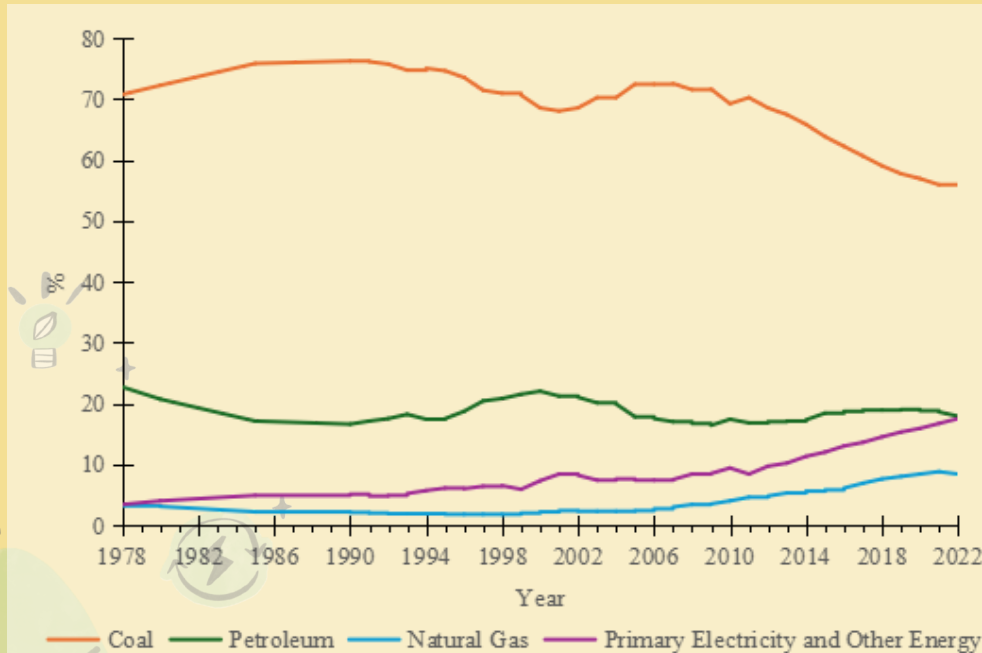
- **Hydropower:** As of 2023, our country is the country with the largest hydropower generation in the world.
- **Wind power:** Wind energy is rapidly expanding in our country.
- **Solar energy:** Solar energy production is growing quickly, making our country a leader in solar energy electricity generation.
- **Biomass energy:** Biomass energy is derived from organic materials such as plants, wood, crops, and animal waste. It is used for electricity generation, heating, and biofuels production.

## 4. Energy production trends



**Figure 1** Proportion of different energy sources to total primary energy production (%) of China

## 5. Energy consumption trends



**Figure 2** Proportion of different energy sources to total energy consumption (%) of China

