



# China's Emissions Peak with Clean Energy Expansion

## Description

China is using more wind and solar power to reduce emissions. This could mean emissions reached a peak in 2023, which would be a big step in fighting climate change. Emissions were highest in 2023 because the economy was recovering from COVID-19. But now, China has added lots of wind and solar power to its electricity grid, and emissions from construction have decreased.

A recent study shows that China's carbon emissions stayed the same between July and September 2024. This means that emissions in 2024 might stay the same as in 2023 or even decrease slightly. This is important for global climate efforts because China has been a big reason for rising emissions worldwide.

China aims to stop increasing emissions before 2030 and reach net-zero emissions by 2060. But experts say more needs to be done because China has a big impact on climate change. It is crucial for China to reduce emissions quickly to help the world avoid severe climate problems.

China is adding more solar and wind power to meet the growing demand for electricity. This year, solar power in China is expected to grow as much as Australia's total power generation in 2023. Despite this progress, coal and gas use has increased, leading to higher CO2 emissions from the power sector.

## Vocabulary List:

1. **Emissions** /ɪ'mɪʃənz/ (noun): The act of releasing something especially gas or radiation into the atmosphere.
2. **Renewable** /rɪ'nju:əbl/ (adjective): Relating to a resource that is replaced naturally and can be replenished such as wind or solar energy.
3. **Climate** /'klaɪmət/ (noun): The weather conditions prevailing in an area in general or over a long period.
4. **Impact** /'ɪmpækt/ (noun): The effect or influence of one person thing or action on another.
5. **Electricity** /ɪ,lektrɪ'sɪti/ (noun): A form of energy resulting from the existence of charged particles such as electrons or protons.
6. **Demand** /dɪ'mænd/ (noun): The desire of consumers to purchase goods and services at given prices.

## Vocabulary quizzes

### Multiple Choice ( Select the Correct answer for each question. )

1. Which type of energy sources can be replenished naturally?

Option: Coal



- Option: Renewable
- Option: Natural Gas
- Option: Nuclear

2. What is the process of sending electricity over long distances?

- Option: Distribution
- Option: Storage
- Option: Generation
- Option: Transmission

3. What refers to the long-term patterns and trends in the weather conditions?

- Option: Climate
- Option: Weather
- Option: Temperature
- Option: Pressure

4. Which subatomic particles have no charge?

- Option: Protons
- Option: Electrons
- Option: Neutrons
- Option: Positrons

5. Who are people from whom you are descended like your grandparents and great-grandparents?

- Option: Descendants
- Option: Ancients
- Option: Relatives
- Option: Ancestors

6. What are proposals or suggestions given to guide decision-making or action?

- Option: Instructions
- Option: Recommendations
- Option: Requirements
- Option: Decisions

7. What form of energy results from the flow of electric charge?

- Option: Magnetism
- Option: Electricity
- Option: Heat
- Option: Light

8. What is the effect or influence of one thing on another?

- Option: Force
- Option: Impact



Option: Magnitude

Option: Pressure

9. Where can excess energy be kept for later use?

Option: Transmission

Option: Distribution

Option: Generation

Option: Storage

10. What is the systematic investigation into and study of materials and sources to establish facts and reach new conclusions?

Option: Innovation

Option: Discovery

Option: Research

Option: Production

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. Improving energy \_\_\_\_\_ can lead to reduced energy consumption.

12. Following the safety \_\_\_\_\_ can prevent accidents in the workplace.

13. Proper pet \_\_\_\_\_ is essential for maintaining their health and appearance.

14. The \_\_\_\_\_ provides structure and support for the human body.

15. The epic \_\_\_\_\_ unfolded over generations telling the story of a noble family.

16. High-voltage power lines are used for electricity \_\_\_\_\_ over long distances.

17. The new movie gained \_\_\_\_\_ rapidly due to positive reviews and word of mouth.

18. Increased customer \_\_\_\_\_ can lead to higher satisfaction and loyalty.

19. Optimizing processes can improve overall business \_\_\_\_\_.

20. Social media \_\_\_\_\_ allow users to connect and share information online.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

21. The car manufacturing industry has been working on reducing harmful gases into the environment.



22. The security guard remained watchful and alert during the late-night shift.
23. The project manager laid out a detailed schedule outlining all the tasks and deadlines.
24. The scattered debris from the explosion covered a wide area of the street.
25. The company prided itself on delivering high-quality products to its customers.
26. The successful marketing campaign led to a significant increase in sales.
27. The police have been instructed to enforce the new regulations strictly.
28. The archaeologists made a groundbreaking discovery at the ancient burial site.
29. The government introduced various measures to control inflation and stabilize the economy.
30. The global pandemic had a far-reaching impact on healthcare systems worldwide.

## Answer

**Multiple Choice:** 1. Renewable 2. Transmission 3. Climate 4. Neutrons 5. Ancestors 6. Recommendations 7. Electricity 8. Impact 9. Storage 10. Research

**Gap-Fill:** 11. Efficiency 12. Recommendations 13. Grooming 14. Skeleton 15. Saga 16. Transmission 17. Popularity 18. Engagement 19. Efficiency 20. Platforms

**Matching sentence:** 1. Emissions 2. Vigilant 3. Timeline 4. Scattered 5. Quality 6. Increase 7. Enforce 8. Discovery 9. Measures 10. Impact

## CATEGORY

1. Sci/Tech - LEVEL1

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