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# Bitcoin's Future at Stake: Will It Go Green?

## Description

- *The Clean Cloud Act will add CO<sub>2</sub> penalties for data centers using a lot of energy for AI and crypto.*
- *Countries like Pakistan are using extra electricity to help Bitcoin mining and AI growth.*

U.S. lawmakers have [made a new bill](#) to address the energy use of AI and crypto activities. The bill is called the Clean Cloud Act and was created by Senators Sheldon Whitehouse and John Fetterman.

This bill wants to limit the energy use of data centers by making them follow stricter carbon emission rules.

## What happens if the bill passes?

If it passes, the Environmental Protection Agency (EPA) can give CO<sub>2</sub> penalties to places that use more energy than allowed.

Senator Fetterman said, "We can use AI technology and protect our environment at the same time."

Senator Whitehouse added that these energy-hungry centers are making electricity more expensive for everyone.

## How do people feel about the bill?

Many in the crypto community do not support the bill. VanEck's Research Chief, Matthew Sigel, thinks it unfairly targets Bitcoin miners.

A user on X said, "This bill might not pass, and it's unlikely it will be enforced."

## Challenges ahead

The Clean Cloud Act needs Senate approval, but some people are unsure about it. Some think it might be more relevant now because of previous efforts to make the U.S. strong in AI and crypto.

In the U.S., the costs for Bitcoin mining equipment are rising, which makes some people worried about reducing demand here. Meanwhile, Pakistan is using extra electricity to support Bitcoin mining.

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## Vocabulary List:

1. **Penalties** /'pen.əl.tiz/ (noun): Punishments imposed for breaking a rule or law.
2. **Emission** /ɪ'mɪʃ.ən/ (noun): The production and discharge of something usually gas or radiation.
3. **Regulations** /,rɛg.jʊ'leɪ.ʃənz/ (noun): Rules or directives made and maintained by an authority.



4. **Electrifying** /ɪˈlɛk.trɪ.faɪ.ɪŋ/ (adjective): Causing great excitement or enthusiasm.
5. **Community** /kəˈmjuː.nɪ.ti/ (noun): A group of people living in the same place or having a particular characteristic in common.
6. **Demand** /dɪˈmænd/ (noun): The desire of consumers for a particular good or service.

## Comprehension Questions

### Multiple Choice

1. What is the name of the bill introduced by Senators Sheldon Whitehouse and John Fetterman?  
Option: Clean Cloud Act  
Option: Carbon Emission Regulation Act  
Option: Energy Consumption Reduction Bill  
Option: Data Center Sustainability Act
2. Who can give CO<sub>2</sub> penalties to places that use more energy than allowed if the bill passes?  
Option: Environmental Protection Agency (EPA)  
Option: Federal Energy Regulatory Commission (FERC)  
Option: Department of Energy (DOE)  
Option: National Resources Defense Council (NRDC)
3. Which chief executive thinks the bill unfairly targets Bitcoin miners?  
Option: Matthew Sigel  
Option: Sheldon Whitehouse  
Option: John Fetterman  
Option: VanEck
4. What is one concern raised about the Clean Cloud Act regarding Bitcoin mining equipment costs?  
Option: Rising costs may reduce demand  
Option: Equipment will become more efficient  
Option: Costs will remain stable  
Option: Pakistan will subsidize the costs
5. Which country is mentioned as using extra electricity to support Bitcoin mining?  
Option: Pakistan  
Option: United States  
Option: India



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Option: China

6. Who are the creators of the Clean Cloud Act?

Option: Senators Sheldon Whitehouse and John Fetterman

Option: Congressmen from Texas and Florida

Option: Energy industry executives

Option: Tech giants like Google and Amazon

### **True-False**

7. The Clean Cloud Act aims to restrict the energy use of data centers.

8. The bill needs Senate approval to be implemented.

9. Matthew Sigel believes that the bill will easily pass and be enforced.

10. The Clean Cloud Act is not related to addressing the increased energy consumption of AI and crypto activities.

11. Some people are unsure about the Clean Cloud Act due to concerns regarding its relevance.

12. The rising costs of Bitcoin mining equipment in the U.S. are causing concerns about demand reduction.

### **Gap-Fill**

13. The Clean Cloud Act needs Senate approval, but some people are unsure about it. Some think it might be more relevant now because of previous efforts to make the U.S. strong in AI and crypto. The bill was created by Senators Sheldon Whitehouse and \_\_\_\_\_.

14. The bill aims to limit the energy use of data centers by making them follow stricter carbon emission rules. If passed, the EPA can give CO<sub>2</sub> penalties to places that use more energy than allowed. The acronym CO<sub>2</sub> stands for Carbon \_\_\_\_\_.

15. Many in the crypto community do not support the Clean Cloud Act. VanEck's Research Chief, Matthew



Sigel, believes it unfairly targets \_\_\_\_\_ miners.

16. In the U.S., the costs for Bitcoin mining equipment are rising, causing concerns about reducing \_\_\_\_\_ here.

17. Countries like Pakistan are using extra electricity to support \_\_\_\_\_ mining and AI growth.

18. Senator Fetterman expressed that their aim is to use AI technology and protect the \_\_\_\_\_ at the same time.

## Answer

**Multiple Choice:** 1. Clean Cloud Act 2. Environmental Protection Agency (EPA) 3. Matthew Sigel 4. Rising costs may reduce demand 5. Pakistan 6. Senators Sheldon Whitehouse and John Fetterman

**True-False:** 7. True 8. True 9. False 10. False 11. True 12. True

**Gap-Fill:** 13. John Fetterman 14. Emissions 15. Bitcoin 16. demand 18. environment

## Vocabulary quizzes

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

1. Which industry involves the extraction and processing of valuable materials like iron and copper?

Option: Electronics

Option: Metals

Option: Automotive

Option: Textiles

2. What term is used to describe the conversion of raw materials into finished products?

Option: Regulations

Option: Mining

Option: Demand

Option: Processing

3. What consequences may be imposed for not following rules or laws in a specific industry?

Option: Emission



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- Option: Penalties  
Option: Tariff  
Option: Exemptions
4. What is the process of powering a device using electricity?  
Option: Excitement  
Option: Rely  
Option: Electrifying  
Option: Stable
5. What is the tax imposed on goods when they are moved across a political boundary?  
Option: Increased  
Option: Consumer  
Option: Tariff  
Option: Gains
6. What aspect is affected when there is contamination from coliform in food products?  
Option: Health  
Option: Packages  
Option: Rare  
Option: Recalling
7. What feeling might consumers have when anticipating a new product release?  
Option: Hopeful  
Option: Stable  
Option: Dropped  
Option: Excitement
8. Which type of materials are not easily found in nature and are of high value?  
Option: Affected  
Option: Rely  
Option: Rare  
Option: Expand
9. What is the positive outcome of increasing profits or advantages in a business?  
Option: Coliform  
Option: Gains  
Option: Demand  
Option: Mining
10. Which term refers to a group of people living in the same place or having a particular characteristic in common?  
Option: Mining



- Option: Community
- Option: Regulations
- Option: Mining

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

11. Meeting industry \_\_\_\_\_ is crucial to ensure the safety and compliance of operations.
12. Some businesses may qualify for tax \_\_\_\_\_ if they meet specific criteria set by the government.
13. Understanding consumer \_\_\_\_\_ helps companies develop products that meet market needs.
14. The company experienced \_\_\_\_\_ sales after launching its new advertising campaign.
15. The company issued a product recall due to complaints from several \_\_\_\_\_ about malfunctioning devices.
16. The manufacturer is \_\_\_\_\_ a batch of contaminated food packages to prevent health risks.
17. A \_\_\_\_\_ supply chain is essential for the smooth operation of a manufacturing business.
18. Investors are \_\_\_\_\_ for positive returns after the company announced its expansion plans.
19. Companies often \_\_\_\_\_ on advanced technology to improve production efficiency.
20. The process of \_\_\_\_\_ involves extracting valuable minerals or other geological materials from the earth.



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

21. Strict standards are in place to control pollutants released into the atmosphere.
22. The new regulations require companies to use eco-friendly for their products.
23. The presence of bacteria in water sources can indicate potential contamination.
24. The recent tariff increase the company's profit margins.
25. The local community protested against the environmental impact of the new mine.
26. Import may influence the competitiveness of foreign products in the local market.
27. Manufacturers on efficient logistics to deliver products to customers on time.
28. The company aims to its market presence by entering new territories.
29. Employee training is for maintaining a high standard of service quality.
30. The discovery of a new mineral deposit sparked interest among geologists worldwide.

**Answer**

**Multiple Choice:** 1. Metals 2. Processing 3. Penalties 4. Electrifying 5. Tariff 6. Health 7. Excitement 8. Rare 9. Gains 10. Community

**Gap-Fill:** 11. Regulations 12. Exemptions 13. Demand 14. Increased 15. Consumer 16. Recalling 17. Stable 18. Hopeful 19. Rely 20. Mining

**Matching sentence:** 1. Emission 2. Packages 3. Coliform 4. Affected 5. Mining 6. Tariffs 7. Rely 8. Expand 9. Crucial 10. Rare

**CATEGORY**

1. Business - LEVEL1

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