

Oklahoma Intercollegiate Legislature
2nd Session of the 56th Legislature (2025)

House Bill No. ORU-513

Stewart (ORU)

AS INTRODUCED

An act relating to energy consumption for artificial intelligence; providing short title; providing for definitions; providing for codification; providing for penalties; declaring severability; and providing an effective date.

BE IT ENACTED BY THE STATE OF OKLAHOMA:

Section 1. This act shall be known as the "Energy and Artificial Intelligence Regulation Act of 2025."

Section 2. DEFINITIONS The following terms are to be defined as follows for the purposes of this act.

- A. "Nuclear Energy" means energy produced by nuclear reactions, specifically nuclear fission, used to generate electricity.
- B. "Artificial Intelligence (AI)" means any computational system designed to perform tasks that typically require human intelligence, such as learning, decision-making, and data analysis.
- C. "Total Energy Production" means the total amount of energy produced within the state energy grid from all sources, including but not limited to nuclear, renewable, fossil, and other energy sources.
- D. "AI Energy Consumption" means the total energy consumed by artificial intelligence systems, including but not limited to data processing, machine learning algorithms, and computational tasks directly related to AI operations.

Section 3. NEW LAW A new law to be codified in the Oklahoma Statutes to read as follows:

- A. In the event that nuclear energy is used as part of the state energy mix, no more than ten percent (10%) of the total energy produced from nuclear sources shall be allocated to artificial intelligence substations.
- B. ~~The Energy Regulatory Commission (ERC)~~ Oklahoma Energy Resources Board (OERB) shall establish a framework to monitor the energy consumption of AI systems, ensuring compliance with the nuclear energy cap.

AI operators and facilities shall submit periodic energy usage reports to the ~~ERC~~ (OERB).

- C. ~~The Department of Energy~~ Oklahoma State Energy Office shall prioritize the development of renewable energy sources (e.g., solar, wind, geothermal) to power AI systems.
- D. If an AI system or facility requires more energy beyond the ten percent (10%) nuclear energy allocation, they may purchase additional energy from other sources. The price for such additional energy shall be set at a rate twenty percent (20%) higher than the standard market price for energy to encourage energy efficiency and discourage overuse of non-renewable or nuclear energy.
- E. Any additional energy purchased must first come from renewable sources, where available. Only if renewable energy is insufficient may the purchase of energy from non-renewable or nuclear sources be authorized.
- F. The ~~ERC~~ (OERB) will monitor these purchases and ensure compliance with the higher pricing structure. AI operators will be required to submit quarterly reports on their additional energy purchases and sources.
- G. The ~~ERC~~ (OERB) shall submit an annual report to the Oklahoma Legislature on the amount of nuclear energy used for AI applications, as well as the progress made in diversifying energy sources for AI systems.
- H. The ~~ERC~~ (OERB) shall publish a public-facing summary of the energy allocation data, ensuring transparency in how much nuclear energy is being used for AI systems.

Section 4. PENALTIES

- A. Any entity found to exceed the ten percent (10%) energy limit for AI systems shall be subject to the following penalties:
 - 1. A fine up to two and a half million dollars (\$2,500,000) per violation.
 - 2. Suspension or revocation of energy consumption rights from nuclear sources.
 - 3. Additional penalties as determined by the ~~ERC~~ (OERB).

Section 5. SEVERABILITY

If any provision of this Act or its application to any person or circumstance is found to be invalid, the remainder of this Act and the application of its provisions shall remain in full force and effect.

Section 6. This Act shall become effective in the event of a transition to Nuclear Energy Production, or ninety (90) days after passage and approval, whichever is later.

Amendments

Committee Amendment #1: Section 6, adding “or ninety (90) days after passage and approval, whichever is later”

Friendly Amendment #1: Any instance within the bill, strike "The Energy Regulatory Commission (ERC)" add "Oklahoma Energy Resources Board (OERB)" Section 3, Subsection B, strike "The Department of Energy" add "Oklahoma State Energy Office"

3. Amending Page 1, Section 3, Sub-Section A, Line 3, strike “applications” and replace with “substations”. **Author:** Harcrow **PASSED IN SENATE**