

TITLE XVII — AMERICAN ENERGY INDEPENDENCE & RELIABLE POWER

- Nuclear Fission Expansion: DOE streamlines licensing for advanced reactors and SMRs; goal of 10 GW new nuclear capacity by 2035 with loan guarantees and tax credits
- Nuclear Fusion Acceleration Initiative: milestone-based public-private funding targeting a grid-connected fusion pilot plant by 2040; \$4B authorized over 10 years
- Grid Resilience Fund: \$20 billion for hardening transmission and distribution infrastructure against cyberattacks, extreme weather, wildfires, and electromagnetic pulse events
- Smart Grid Tax Credit: 30% refundable credit for utilities deploying real-time demand response infrastructure with prevailing wage compliance
- 10 National Interest Electric Transmission Corridors designated; expedited permitting for high-voltage direct current (HVDC) lines
- \$50B over 10 years for domestic semiconductor fabrication; all defense critical systems must use domestic or allied-nation chips by 2031
- Critical Minerals Urban Recovery Initiative: \$500M to recover rare earths from e-waste domestically

TITLE XVII — AI DATA CENTER ACCOUNTABILITY (SEC. 1709)

AI data centers currently consume 4% of total U.S. electricity — projected to reach 12–15% by 2030. Without binding rules, existing residential ratepayers absorb infrastructure costs, clean water is evaporated by the millions of gallons daily, and forever chemicals (PFAS) are used in cooling systems. AERIA ends the free ride.

Requirement	Applies To	Deadline
100% clean energy additionality (new generation only, no DERs)	Data centers >100 MW IT load	36 months after 50 MW threshold
Self-fund all transmission/distribution infrastructure upgrades	Any data center requiring grid upgrades	Immediate upon connection
PFAS-free cooling and fire suppression systems	All U.S. data centers	24 months (new); 5 years (existing)
Closed-loop water cooling; max 10 gal/MWh consumption	New data centers >10 MW	For all new construction
Generate 50%+ of power from dedicated (non-residential) paid assets	Data centers >100 MW IT load	Per FERC-approved schedule
Community Impact Disclosure + public hearings	Data centers >50 MW planning construction	180 days before groundbreaking
CISA cybersecurity standards + EMP hardening	Data centers >200 MW (critical infrastructure)	18 months after enactment

TITLE XV — PRIVACY, SURVEILLANCE ACCOUNTABILITY & DATA SECURITY**Warrantless Data Purchase Ban**

- Federal agencies CANNOT purchase data from data brokers that would require a warrant if sought directly from the individual

- Anti-circumvention: agencies cannot use third-party intermediaries, subscriptions, or cooperative arrangements to evade this requirement
- Emergency exception: allowed when imminent danger exists, but judicial review required within 72 hours
- Annual agency transparency reports: number of warrants, subpoenas, delayed-notice orders, and compliance statistics

Your Data Rights

- Right to Access: know what data companies hold about you
- Right to Correction: fix materially inaccurate data
- Right to Deletion: require deletion of data not legally required to be retained
- Right to Portability: receive your data in a machine-readable format
- Right to Opt Out: of targeted advertising, algorithmic profiling, and third-party data transfers
- Covered entities must respond within 45 days; companies cannot condition services on consent to unnecessary data processing

Connected Vehicle Privacy

- Automakers CANNOT collect geolocation, driving behavior, biometrics, or cabin audio/video without EXPLICIT OPT-IN CONSENT for each category
- No sharing vehicle data with insurance companies, employers, data brokers, or scoring agencies without explicit written consent
- Law enforcement access to vehicle data requires a valid warrant (emergency exception with 72-hour judicial review)
- Statutory damages: \$5,000 minimum per violation; private right of action for vehicle owners

Mandatory Digital ID & Kill Switch Prohibition

- No federal agency may require a digital identity credential as a condition of receiving benefits, employment, voting, boarding domestic transit, or any civic participation
- Physical ID (driver's license, passport, military ID) remains universally valid for all purposes
- No mandatory biometric collection — facial recognition, fingerprints, iris scans cannot be required for any government service
- Vehicle kill switch provision from the 2021 infrastructure law REPEALED — manufacturers must provide free deactivation within 24 months