

## **Resolution to Secure the Texas Electrical Grid Against Foreign Threats and Electromagnetic Pulse Risks**

WHEREAS, the Texas electrical grid is a critical infrastructure essential to national security, economic stability, and public safety;

WHEREAS, the integration of critical grid components—such as transformers, inverters, control systems, sensors, supervisory control and data acquisition (SCADA) systems, and battery cells—sourced from foreign companies aligned with the Chinese Communist Party (CCP) or other entities hostile to U.S. interests, such as Contemporary Amperex Technology Co. Limited (CATL), poses significant risks to grid reliability and national security;

WHEREAS, electromagnetic pulse (EMP) events, including high-altitude nuclear detonations and solar geomagnetic disturbances, can induce E3 surges, damaging harmonics, and ground-induced currents (GIC) that threaten grid stability, with impacts varying by geographic location due to proximity to the equator or poles;

WHEREAS, the Texas Emergency Management Council (TEMC) has been tasked to recommend statewide EMP hardening standards, “consolidating guidance from federal agencies and national EMP standards” (which have been demonstrated to be flawed).

WHEREAS, EMP E3 modeling by university researchers does not reflect the latest empirical results of E3 blocking technologies currently implemented.

WHEREAS, “rapid piloting and rollout” of proven, cost-effective solutions to E3 protection of Large Power Transformers (LPTs) has not been initiated and consequently Texas based LPT’s remain vulnerable.

WHEREAS, inadequate vetting of foreign-sourced components and insufficient hardening of grid infrastructure increase vulnerabilities to cyberattacks, sabotage, and EMP-related disruptions, potentially leaving millions without power;

WHEREAS, ensuring the resilience of the electrical grid is a matter of urgent state priority to protect against both man-made and natural threats;

**NOW, THEREFORE, BE IT RESOLVED**, that the Republican Party of Texas urges the Texas Legislature the following actions to secure the Texas electrical grid:

**Prohibition of Foreign-Aligned Components:** State governments shall enact policies to prohibit the use of critical grid components—such as transformers, inverters, control systems, sensors, SCADA systems, and battery cells—manufactured or supplied by companies aligned with the CCP or other known adversaries of the United States, including but not limited to companies like Contemporary Amperex Technology Co. Limited (CATL);

**Enhanced Vetting of Suppliers:** Regulatory bodies, including the Public Utility Commission of Texas shall implement stringent vetting processes to ensure that all entities involved in the supply chain for critical grid infrastructure are free from affiliations with foreign adversaries and meet rigorous cybersecurity and reliability standards;

**EMP Hardening Measures:** State agencies shall fast path piloting and funding the hardening of the electrical grid against EMP threats, including E3 surges, harmonics, and ground-induced currents, with tailored protections accounting for regional variations in geomagnetic risk based on proximity to the equator and poles;

**Infrastructure Resilience Standards:** State governments and private utilities, shall establish and enforce national standards for EMP-resistant design and retrofitting of critical grid components, including transformers, substations, and control centers;

**Public-Private Collaboration:** Federal incentives, such as grants and tax credits, shall be provided to utility companies to accelerate the adoption of domestically sourced, secure components and to implement EMP and cybersecurity protections;

**Research and Development:** Texas shall allocate funding for research into advanced grid protection technologies, including next-generation EMP shielding and real-time threat detection systems, to ensure long-term resilience;

**BE IT FURTHER RESOLVED**, that the Republican Party of Texas calls on all elected officials, policymakers, and industry leaders to prioritize the security and resilience of the Texas electrical grid as a cornerstone of national defense, economic prosperity, and public welfare.