

1 ENGROSSED HOUSE
2 CONCURRENT
3 RESOLUTION NO. 1017

By: McBride and O'Donnell of
the House

and

David of the Senate

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7 A Concurrent Resolution declaring the need for grid
8 modernization technologies and cybersecurity;
9 providing certain background information; urging
10 federal and state policymakers to modernize the
11 electric grid and protect energy resources from
12 cyberattacks; and directing distribution.

13 WHEREAS, the United States' and Oklahoma's economic and national
14 and state security depend on reliable energy sources and
15 infrastructure including the electric power grid, oil and gas supply
16 chain, and all renewable sources of energy production. To remain
17 reliable, these sources must be resilient to potential
18 interruptions, and, with the interconnected nature of our world,
19 especially to cyber threats; and

20 WHEREAS, electricity moves from power plants through the largest
21 machine in the world known as a "grid" consisting of a very complex
22 and highly interconnected system of substations, transformers, and
23 power lines to serve consumers. Most local grids are interconnected
24 to create more "fault-tolerant" networks of electricity supply.

1 These power grids are being pushed to do more than they were
2 designed to do to respond to weather events and an ever-growing,
3 changing, and complex set of customer demands. For example, the
4 North American Electric Reliability Corporation assessed that
5 several regions in North America were at risk of electricity
6 shortfalls in the summer of 2021 due to above-normal peak
7 temperatures. In 2021, severe winter weather in Oklahoma and
8 surrounding states caused energy consumption to exceed capacity and
9 available fuel supplies resulting in costs to consumers of millions
10 of dollars. At the same time, policies are being adopted to
11 encourage carbon-free, non-24-7 sources of power for buildings and
12 transportation; and

13 WHEREAS, the impact a cyberattack can have on our country was
14 demonstrated in May 2021 when Colonial Pipeline halted operations to
15 contain the effects of a cyberattack. That disruption resulted in
16 an increase in the average U.S. retail price for regular grade
17 gasoline to over \$3.00 per gallon for the first time since October
18 27, 2014; and

19 WHEREAS, these attacks are not new, novel, or unique to the
20 pipeline industry, nor are they confined to the United States. In
21 2015, three Ukrainian electricity distribution companies faced
22 cyberattacks that resulted in outages for 225,000 customers for
23 several hours, not to mention what is currently going on in Ukraine.
24 The threat of cyberattacks has been known for years, but as a nation

1 we struggle to develop a unified approach to defend both public and
2 private critical infrastructure. Oklahoma is a central access point
3 for much of the nation's oil and gas storage and delivery.

4 NOW, THEREFORE, BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES
5 OF THE 2ND SESSION OF THE 58TH OKLAHOMA LEGISLATURE, THE SENATE
6 CONCURRING THEREIN:

7 THAT the Oklahoma House of Representatives and the Oklahoma
8 State Senate urge federal and state policymakers to work with
9 private and public energy companies and telecommunications
10 providers, as well as existing regulatory bodies such as the North
11 American Electric Reliability Corporation, the Federal Energy
12 Regulatory Commission, and state commissions, to develop policies
13 and requirements and to develop and deploy interoperable
14 technologies and infrastructure to both further modernize and
15 increase the resilience of the electric grid across the United
16 States. Additionally, and as a matter critical to our national and
17 state security, the federal and state governments must rapidly
18 develop a framework to protect the electric grid, the electric
19 supply chain, and the oil and gas supply chain from cyberattacks in
20 a manner that protects reliability, resiliency, and maintains
21 customer affordability.

22 THAT enrolled copies of this resolution be furnished to the
23 President of the United States of America, the Secretary of the U.S.
24 Department of Energy, the Secretary of the U.S. Department of

