

# Security of the US Power System

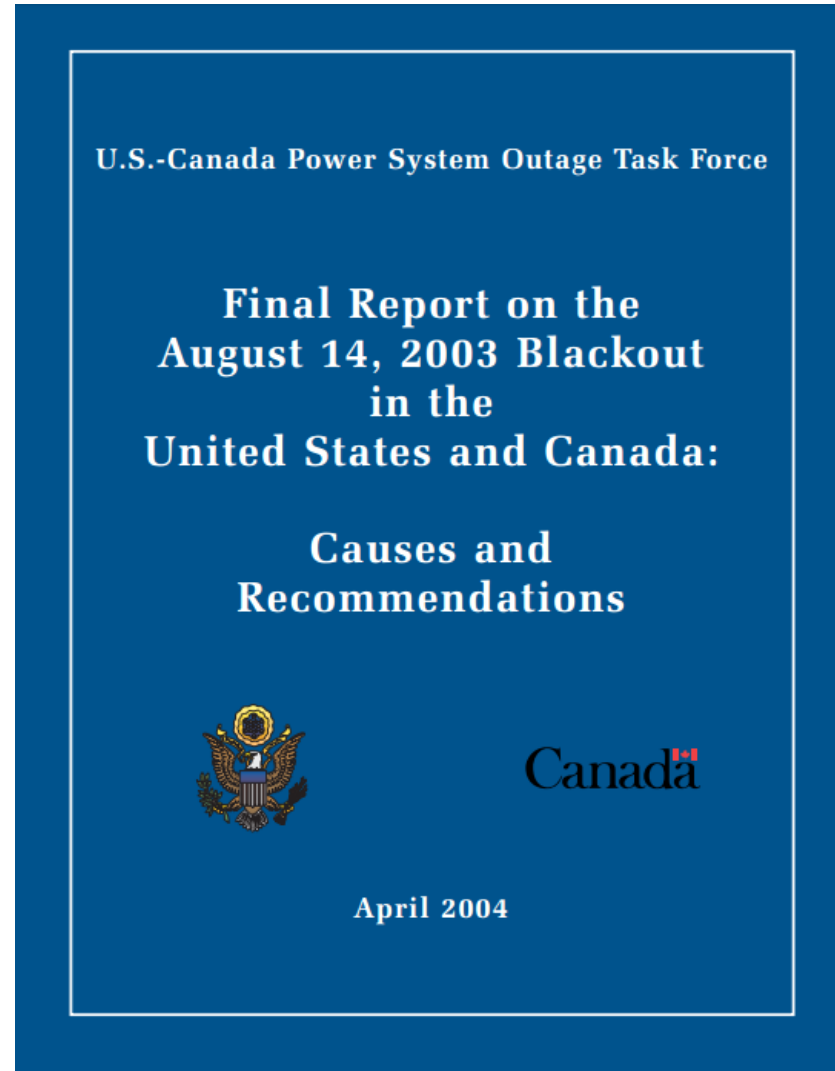
Jimmy Glotfelty

**CLEAN LINE**  
ENERGY PARTNERS

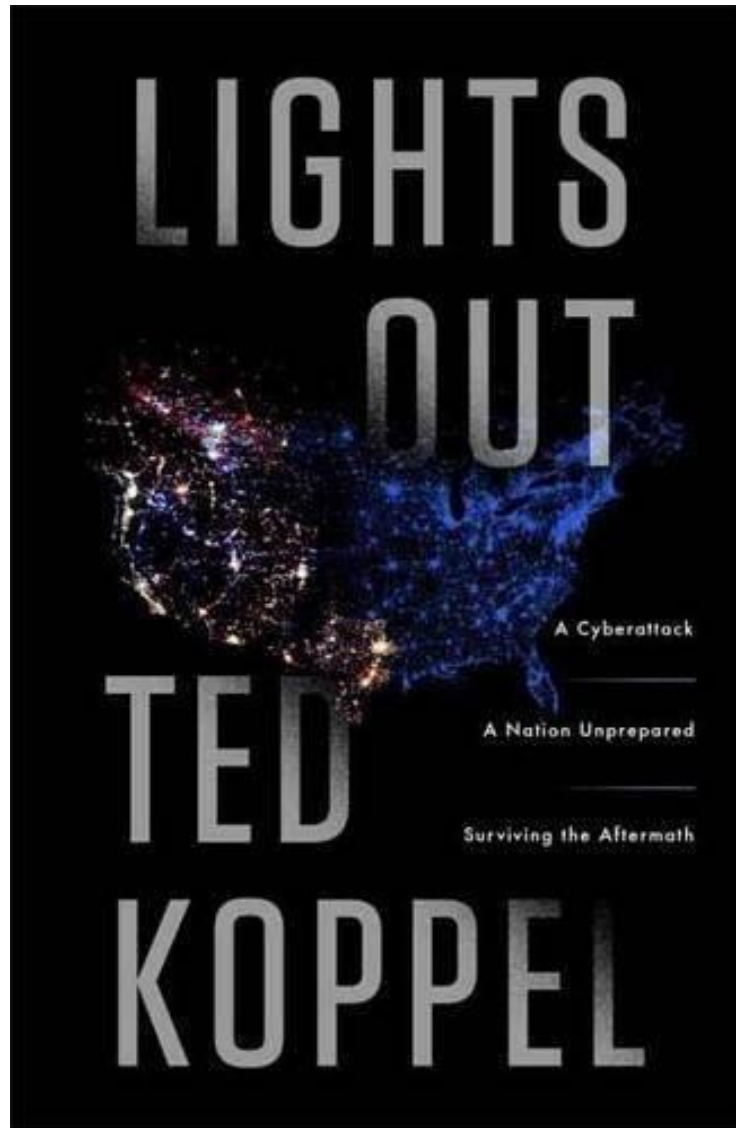
The logo for Clean Line Energy Partners features the text "CLEAN LINE" in a bold, sans-serif font above "ENERGY PARTNERS" in a smaller, all-caps sans-serif font. Below the text are two curved green lines that sweep from left to right, underlining the text.

Feb 2017

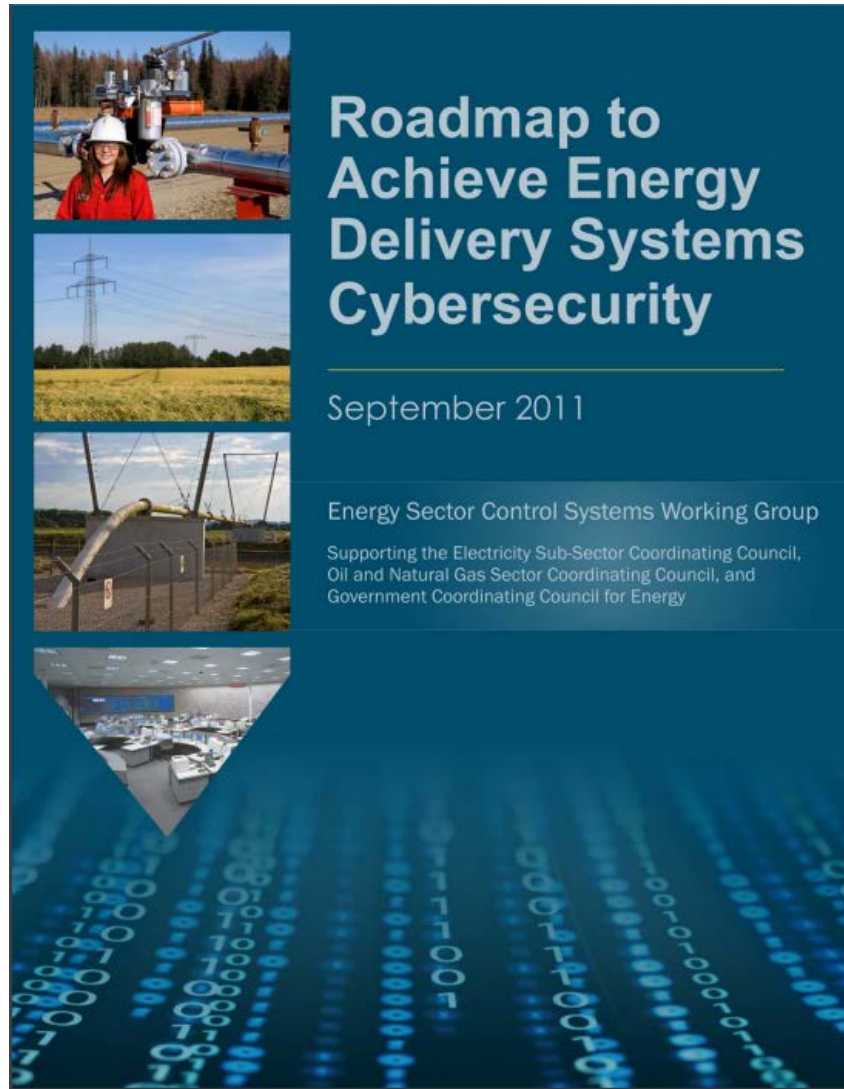
# 2003 Blackout Report



# Recent Ted Koppel Book



Distributed networks allow for many more entry points.



**Roadmap to  
Achieve Energy  
Delivery Systems  
Cybersecurity**

September 2011

Energy Sector Control Systems Working Group

Supporting the Electricity Sub-Sector Coordinating Council,  
Oil and Natural Gas Sector Coordinating Council, and  
Government Coordinating Council for Energy

And if they are successful??

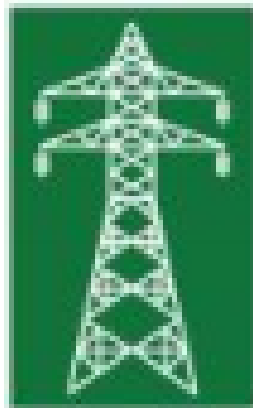
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“They don’t care if they  
get caught,”

Dmitri Alperovitch, McAfee

# Government/ Industry Collaboration is happening

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# E-ISAC

ELECTRICITY  
INFORMATION SHARING AND ANALYSIS CENTER

# Conclusion

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- Cyber and physical security ARE vulnerabilities of our system
- Cyber hackers are just getting started
- Cyber efforts change daily and hourly
- NO way to protect from each and every attack
- Best, not perfect, Solution – Redundancy in our System.