

Cybersecurity for Business Infrastructure: Focus on the Energy Industry

2016 Government Enforcement Institute

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Panel

▶ Moderator

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Disclaimer

Before we begin:

- ▶ Please note that the views expressed during this presentation are those of each speaker, and not necessarily those of the agency or employer that they work for or of any of their clients.
- ▶ Panel comments are based on general observations and experience and not on any particular facts or specific cases.



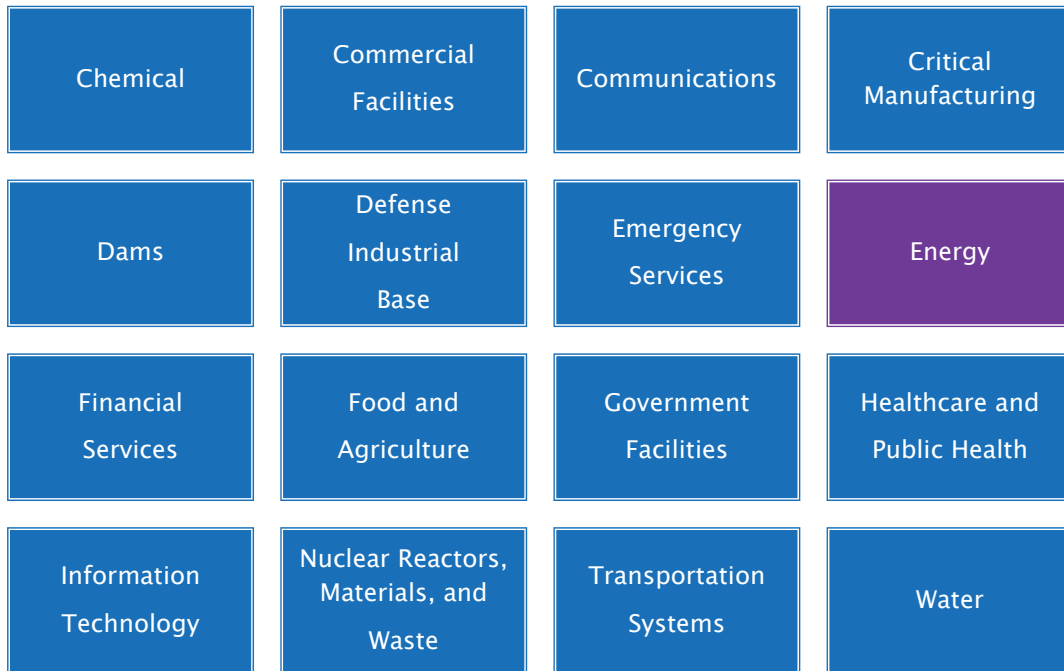
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Critical Infrastructures

Chemical	Commercial Facilities	Communications	Critical Manufacturing
Dams	Defense Industrial Base	Emergency Services	Energy
Financial Services	Food and Agriculture	Government Facilities	Healthcare and Public Health
Information Technology	Nuclear Reactors, Materials, and Waste	Transportation Systems	Water

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Critical Infrastructures



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Energy Reliance

- ▶ “The threat of more devastating malevolent attacks such as EMPs [electromagnetic pulses] underscores the vulnerabilities associated with the growing reliance of our society on electricity, starting with the “internet of things” where an estimated **50 billion devices or more are connected to an internet** that relies on electricity.
- ▶ “All of our critical infrastructures – finance, telecommunications, health care, industry, energy, indeed the systems we need to respond to energy emergencies – are **connected to and often managed via the internet** and they all rely on electricity.”

- ▶ Secretary Ernest Moniz



http://www.energy.senate.gov/public/index.cfm/files/serve?File_id=10C0FB6F-9955-4A0C-AA34-F15C5E26BE46

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