

# HOW DOES A 21<sup>ST</sup> CENTURY NUCLEAR ENERGY DEPLOYMENT DIFFER FROM A 20<sup>TH</sup> CENTURY DEPLOYMENT?

OCTOBER 2018, TODD ALLEN, PROFESSOR & SENIOR FELLOW



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# OPENING COMMENT

The conversation from and about the NRC has improved greatly over the past few years. The trajectory is positive.

- Through its transformative efforts, the NRC has become decidedly more transparent, communicative, and flexible in its approach to the regulatory process and advanced reactor developers.
- A wide array of advanced reactor industry stakeholders are highly engaged with the Commission, and have acknowledged its willingness to adapt and innovate in its procedures.

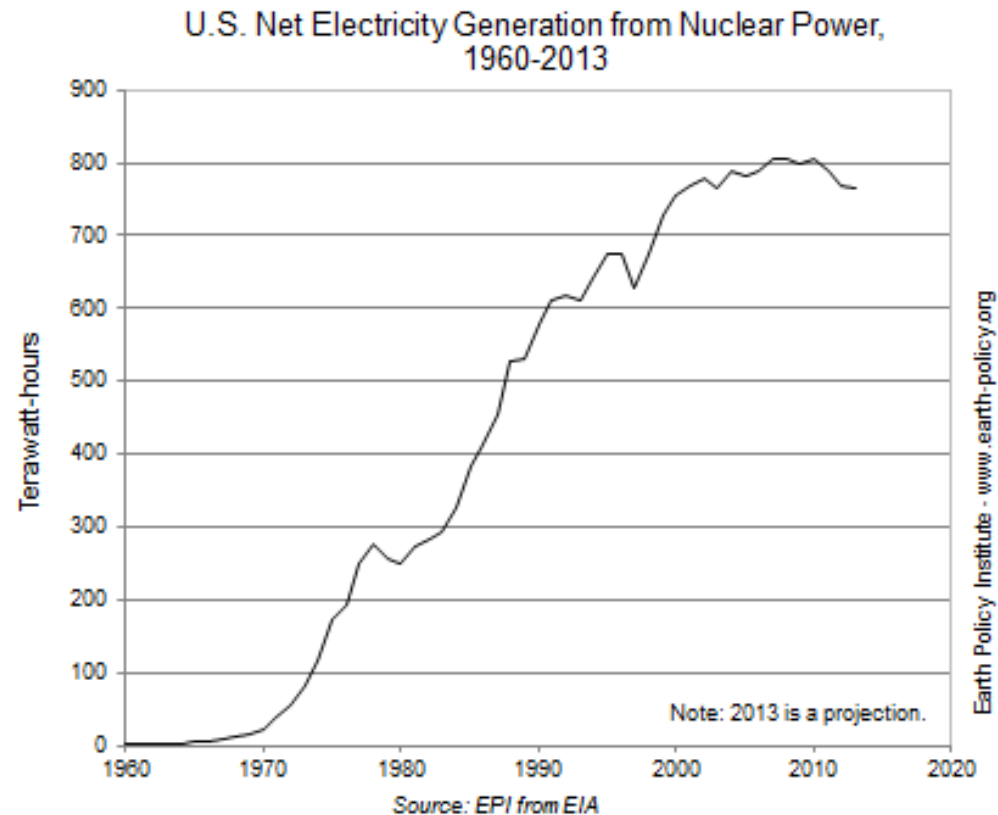


# 20<sup>TH</sup> CENTURY CONFIDENT EXPERTS



**Lewis Strauss**

*“It is not too much to expect that our children will enjoy in their homes electrical **energy too cheap to meter**, will know of great periodic regional famines in the world only as matters of history, will travel effortlessly over the seas and under them and through the air with a minimum of danger and at great speeds, and will experience a lifespan far longer than ours as disease yields and man comes to understand what causes him to age.”*



# THE ADVANCED NUCLEAR INDUSTRY



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# WHAT SHOULD THE REGULATOR LOOK LIKE?



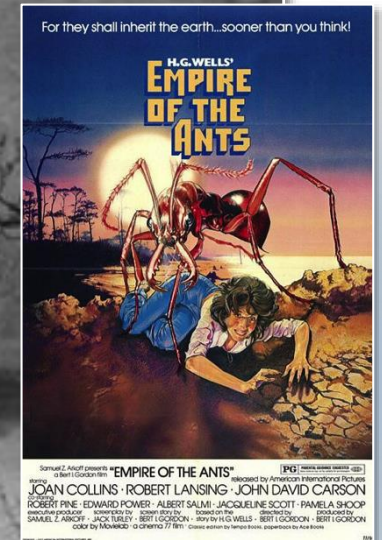
COMSECY 17-0006, “Re-examination of the Need for a U.S. Nuclear Regulatory Commission Leadership Model,” dated February 6, 2017

We ensure your 21<sup>st</sup> Century Nuclear is safe



# THEM: GIANT MUTANT ANTS (1950S)

*A first entertainment use of radiation-induced mutant creatures*

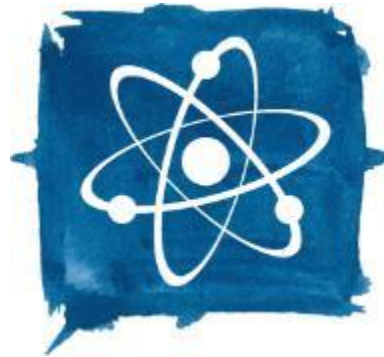




# GRAND THEMES TO KEEP IN MIND

- Vendors, investors, & consumers of energy products need to believe that the NRC can regulate at the pace of commerce, while maintaining the continued protection of public health and safety, promoting the common defense and security, and protecting the environment
- Initiatives need to ensure the NRC can recruit and maintain a vibrant staff that embraces the transformation at all levels of the organization
- Changes in regulatory processes require a parallel engagement strategy that provides comfort to the public that the core mission of the NRC has not changed





# ADVANCED NUCLEAR CAMPAIGN

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