Powering Up – The New Era of Uprates (SNC Perspective)

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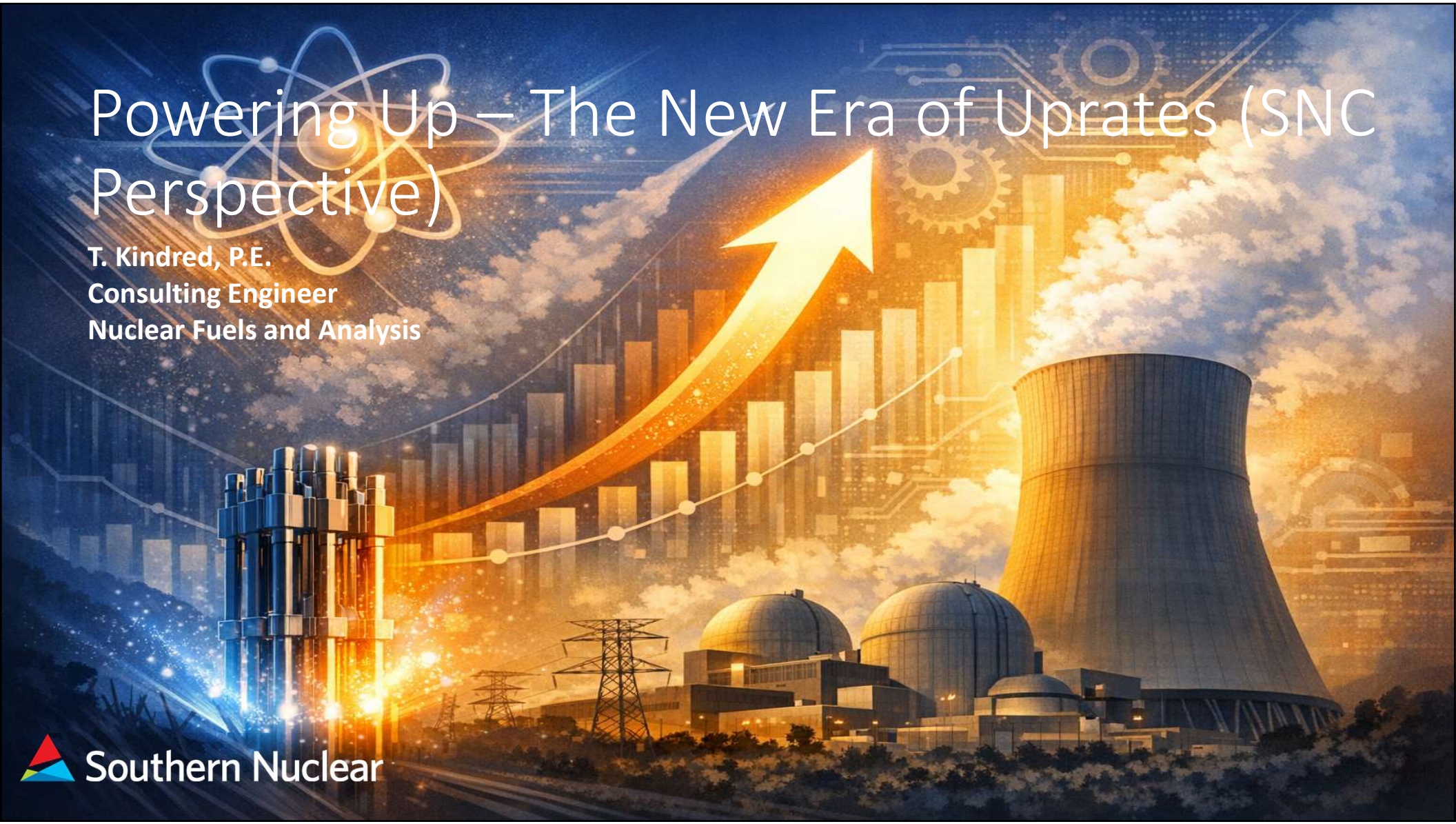
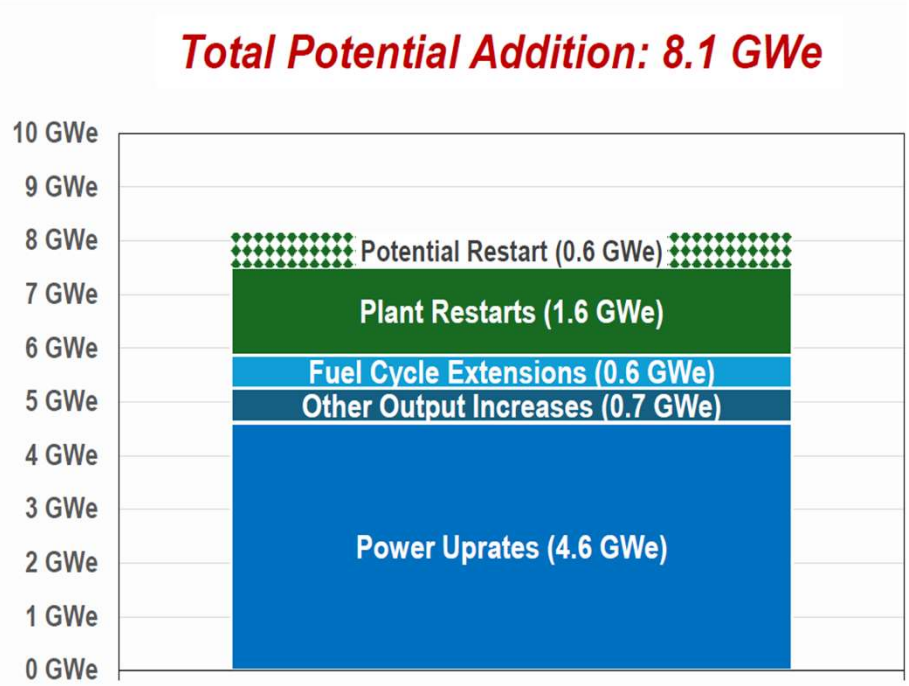
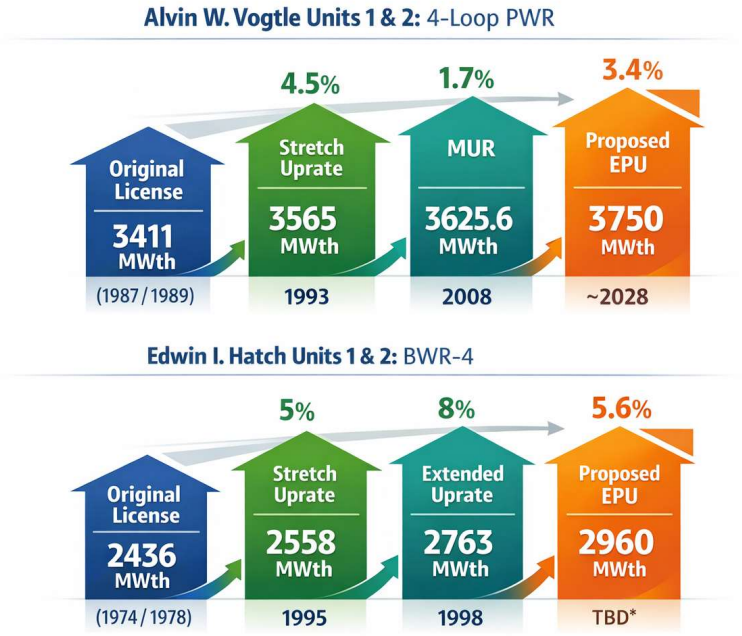
Nuclear Fuels and Analysis



Southern Nuclear

SNC Approach to Achieving Increased Capacity





*Any plans or decisions related to EPUs will be made through constructive state regulatory processes to ensure we have the right mix for all customers

Significant Improvements in Regulatory Framework and Guidance

7 Workshops since 2024

Improves regulatory transparency

Reduces new guidance and rulemaking timelines

Improvements in Guidance

RG-1.183 Rev. 2 (DG-1425)

Improved modeling realism

Leverages risk-informed insights

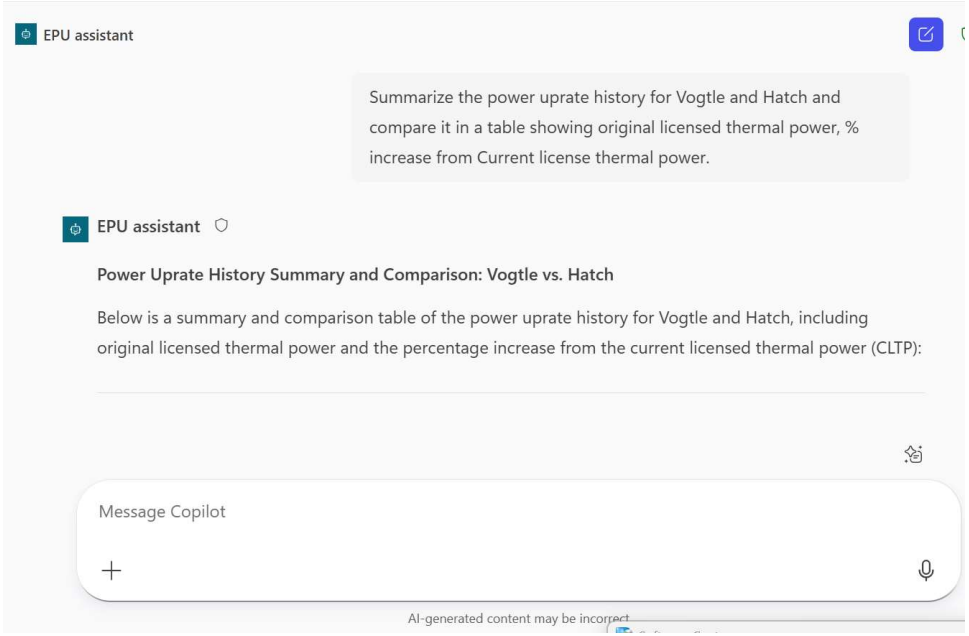
Improvements in Regulatory Framework

LIC-112 Binning Approach

Improves durability and predictability of uprate submittals

Allowances for bundling submittals accelerates planned capacity increases

Opportunity for AI!



Plant	OLTP (MWth)	CLTP (MWth)	Proposed EPU (MWth)	% Increase from OLTP	% Increase from CLTP
Vogtle	3411	3625.6	3750	9.9%	3.4%
Hatch	2436	2804	2960	21.5%	5.6%

Necessary Elements for Capacity Increases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