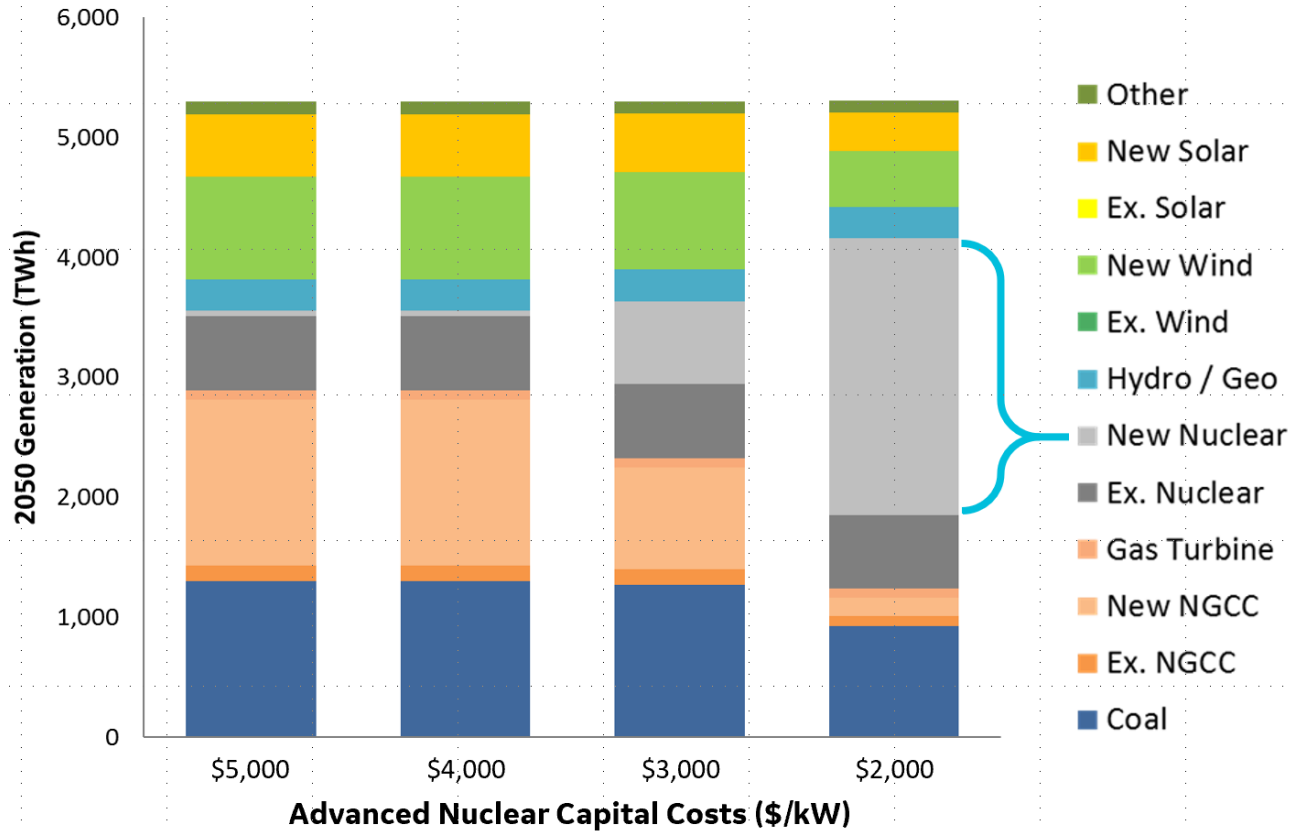


Cost is essential to the future of nuclear

At \$2,000/kW nuclear displaces significant share of gas and renewables



Source: Figure 3.2 from EPRI Report 3002011803: Exploring the Role of Advanced Nuclear in Future Energy Markets

Exploring the Role of Advanced Nuclear in Future Energy Markets



“A combination of **reduced capital costs**, favorable policy conditions, and additional revenue streams for other services and products is more likely to create conditions under which significant new deployment of advanced nuclear reactor technology will occur.”



The Future of Nuclear Energy in a Carbon-Constrained World

“Based on the findings that emerged from this study, we contend that, as of today and for decades to come, the main value of nuclear energy lies in its potential contribution to decarbonizing the power sector. Further, we conclude that **cost is the main barrier** to realizing this value. Without cost reductions, nuclear energy will not play a significant role.”

International Energy Agency Nuclear Power in a Clean Energy System



“Support innovative new reactor designs: Accelerate innovation in new reactor designs, such as small modular reactors (SMRs), with **lower capital costs** and shorter lead times and technologies that improve the operating flexibility of nuclear power plants to facilitate the integration of growing wind and solar capacity into the electricity system.”

Cost competitive SMR disrupts generation mix ... value accelerates with carbon policy

