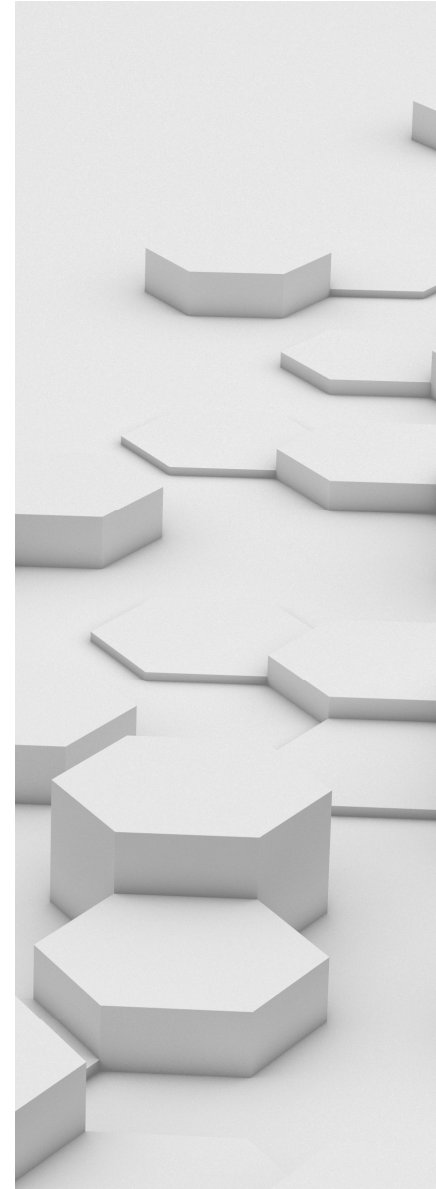


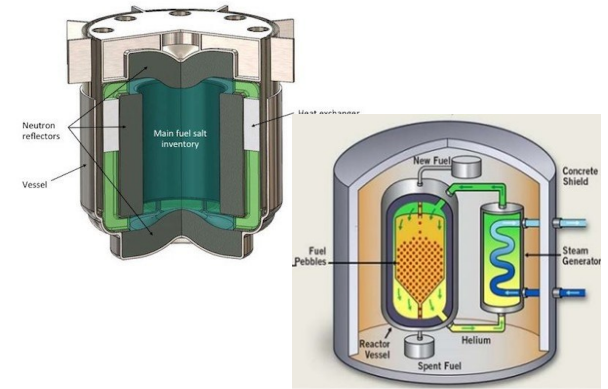
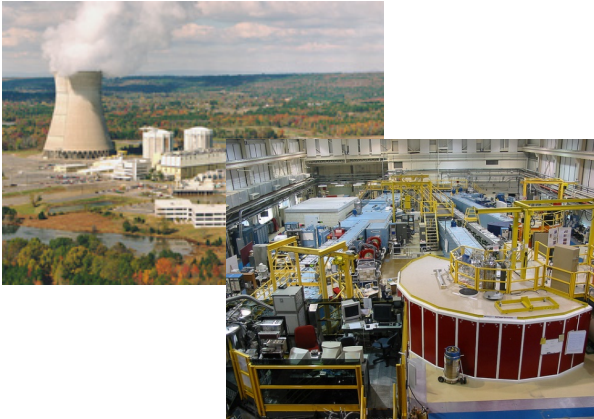
# Perspectives on Risk-Informed Licensing of Advanced Reactors

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**Robert Taylor**, Deputy Office Director  
for New Reactors,  
Office of Nuclear Reactor Regulation,  
U.S. Nuclear Regulatory Commission



# Ready to review new and advanced reactors



## 10 CFR Part 50

Large majority of operating power reactor and NPUF\* fleet

Construction permit + operating license

\*NPUF: nonpower production or utilization facility

## 10 CFR Part 52

Vogtle 3&4 AP1000, NuScale

Early site permit, COL, design certification, manufacturing license

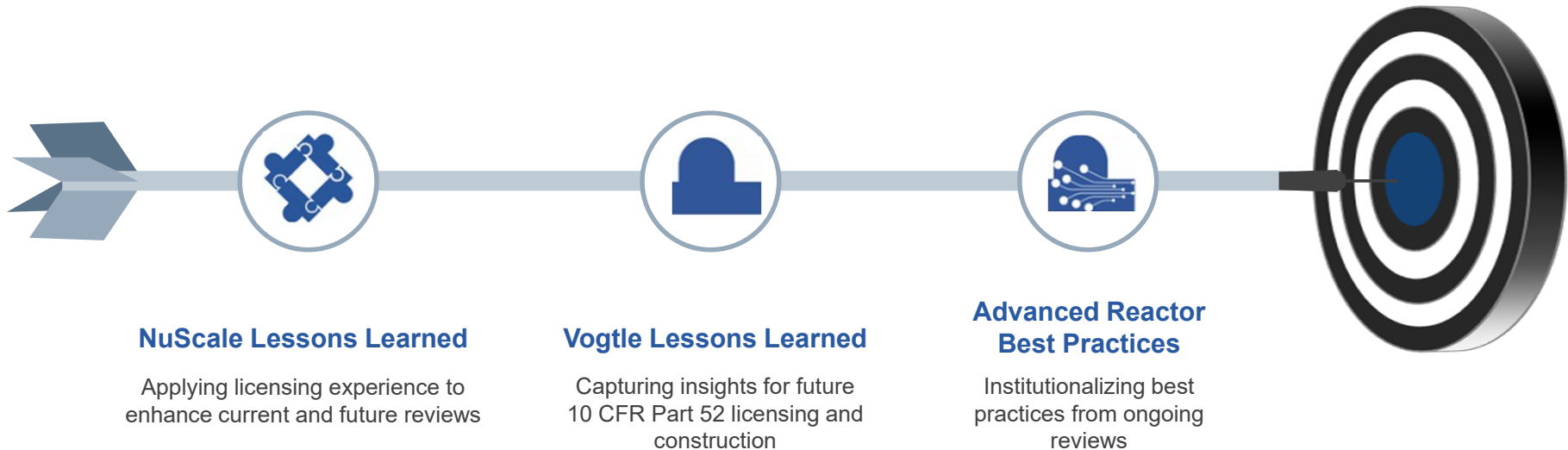
## 10 CFR Part 53

New licensing framework under development

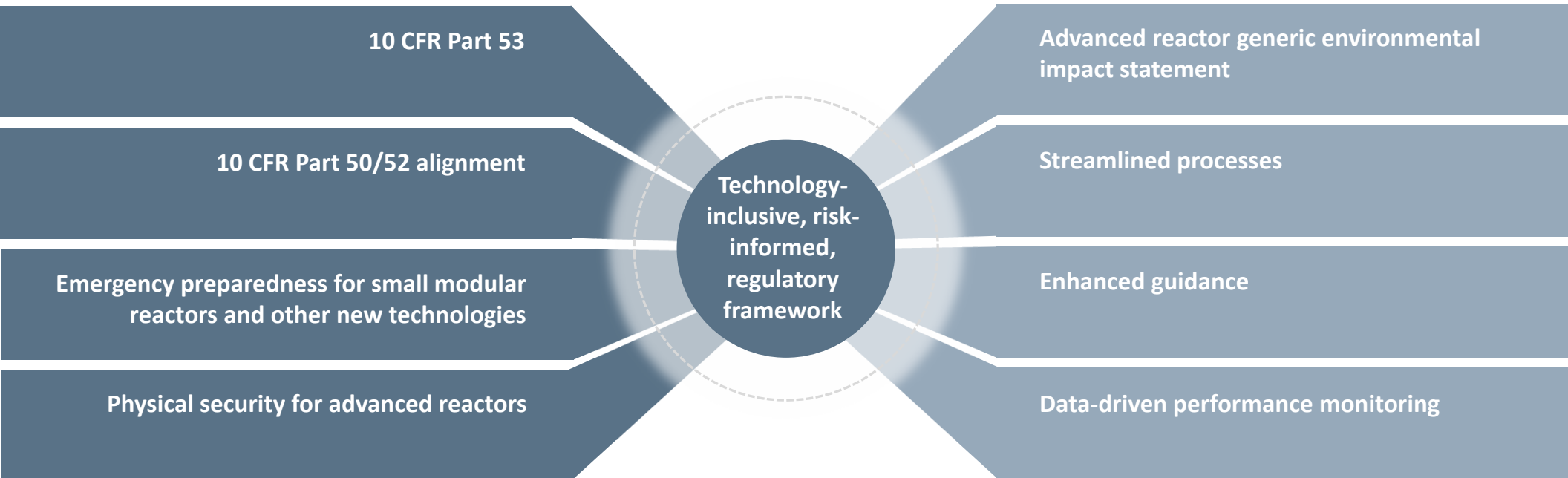
Publish by June 2025

# Building on previous accomplishments and applying lessons learned

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# Improving regulations and processes for safety-focused, timely, and efficient licensing



# Aligning 10 CFR Parts 50 and 52

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Create consistent set of technical standards regardless of the licensing process



Incorporate lessons learned from the recent new power reactor licensing reviews



Clarify applicability criteria to enhance predictability in licensing non-light-water-reactor designs

# Novel rulemaking approach to achieve clarity and reliability while enabling flexibility

