



# **Small Modular Reactors Licensing Status**

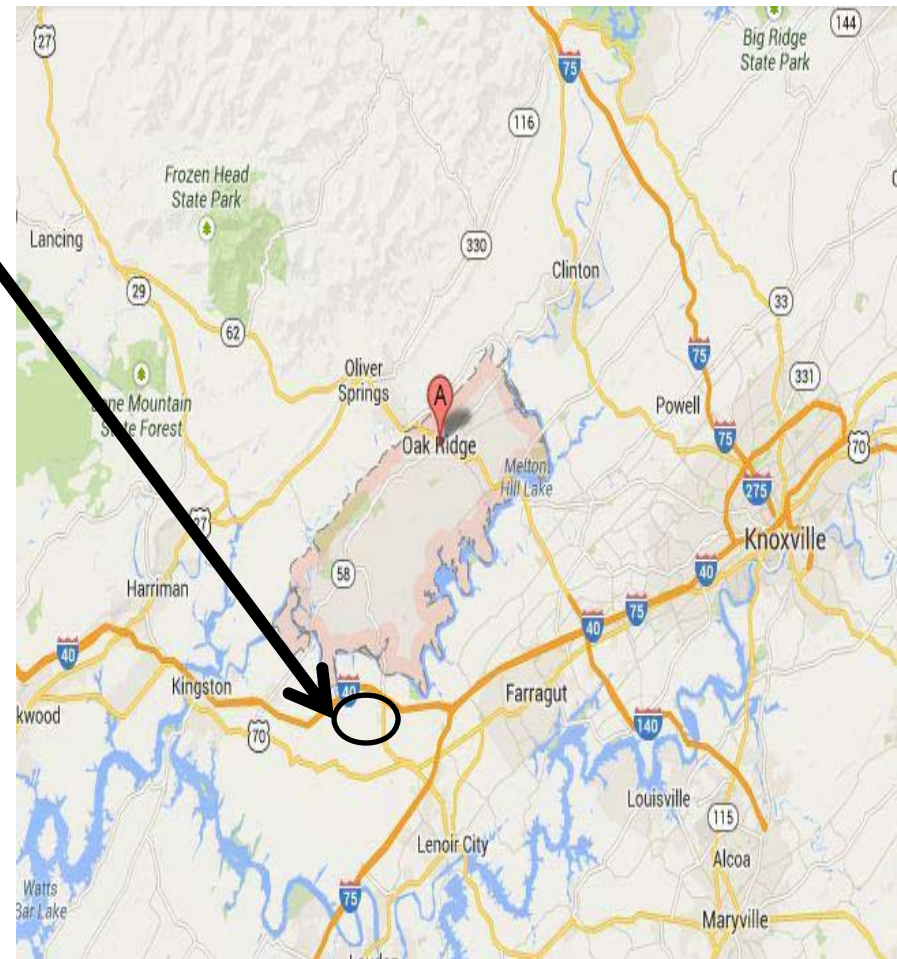
Mark Tonacci, Chief  
Licensing Branch 1  
October 2015

# SMR Applications

Applicant	Application	Timing
TVA Clinch River	Early Site Permit	First Quarter CY 2016
NuScale	Design Certification	November-December 2016
UAMPS	Combined License	Late 2017/Early 2018
TVA Clinch River	Combined License	Mid-2018
mPower	Design Certification	TBD
Holtec	Part 50 CP/OL	TBD
Westinghouse	Design Certification	TBD

# TVA Clinch River Site

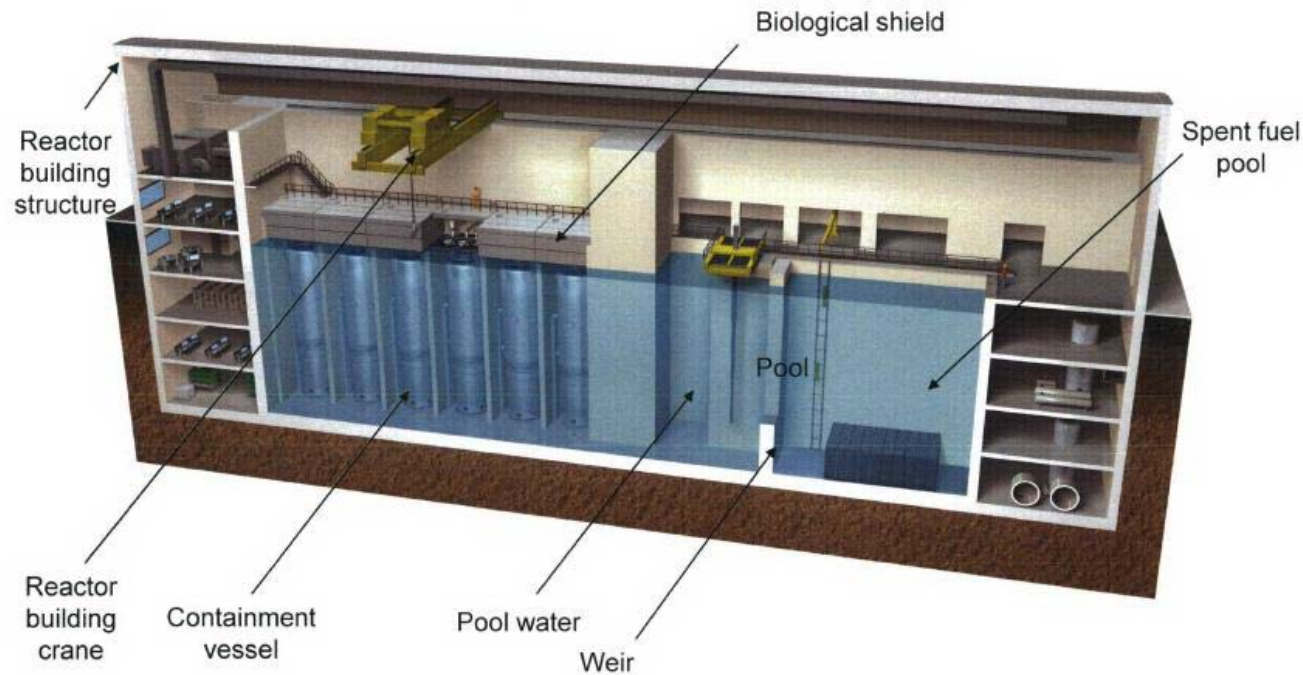
- Plan to build SMRs on site adjacent to Oak Ridge National Lab



# NuScale Power

## Reactor Building

Reactor building houses reactor modules, spent fuel pool, and reactor pool



- 50MWe net power/module
- Each module installed in own isolated bay – up to 12 modules
- Natural circulation – normal and post accident (no reactor coolant pumps; no emergency core cooling pumps)
- Internal helical steam generator and pressurizer