

# Advanced Reactors

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# Continuum of Innovation

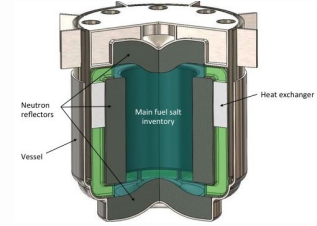
## Advanced Fuels



## Micro-Reactors



## Advanced Non-LWRs



TerraPower

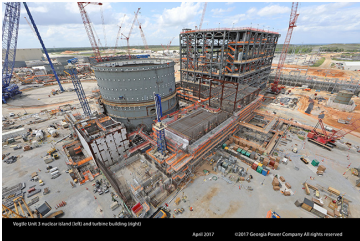
2020

2025

2030

2035

## Large Light Water



Vogtle 3 & 4

Oklo Aurora

## Small Modular Reactor

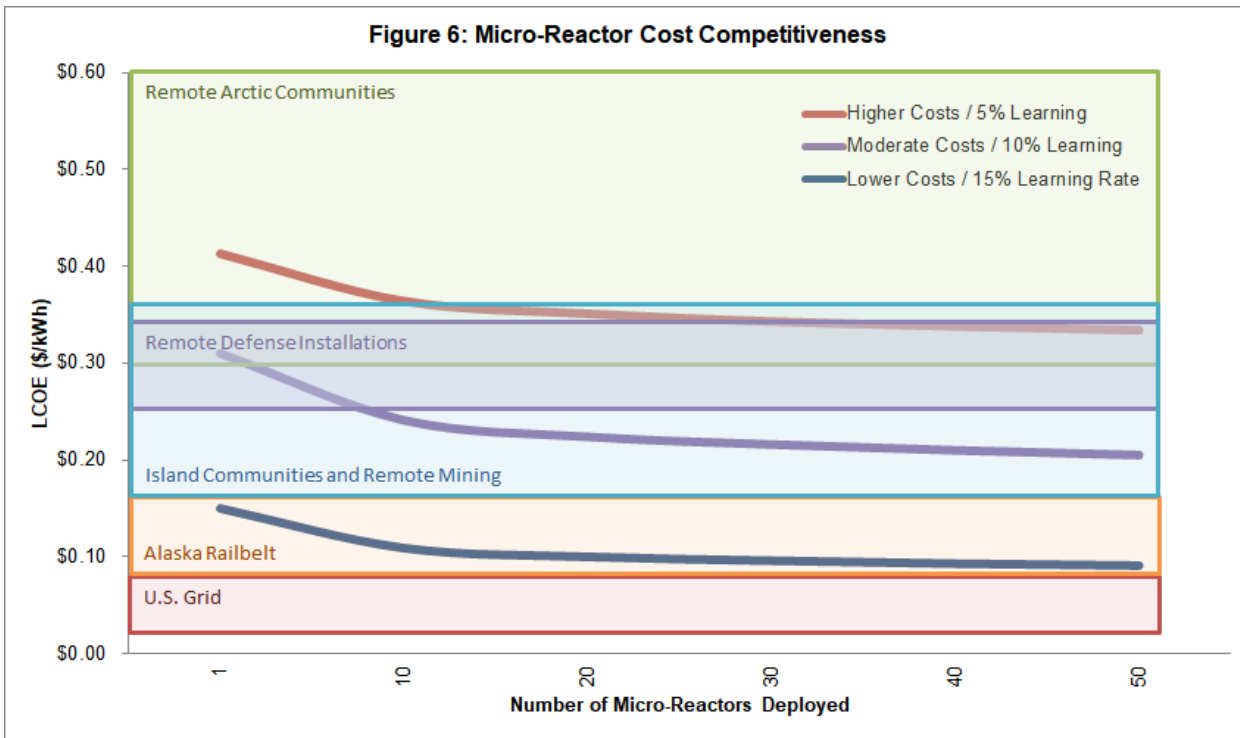


NuScale

- Hi-temp gas
- Liquid metal
- Molten salt

# Micro-Reactor Cost Competitiveness

Figure 6: Micro-Reactor Cost Competitiveness



## Reference Micro-Reactor

- First of a kind
- 10 MWe

## Moderate Costs

- \$150 million capital cost
- 5¢/kWh operating cost
- < 24 month construction

# Financing Options

- Private financing
  - Municipal utilities
  - Developer or third party capital
- Federal support
  - Production tax credits
  - Loan guarantees
  - Power purchase agreements
- State support
  - Reduce barriers to entry
  - Tax incentives
  - Construction work in progress





# QUESTIONS?

