

NCSL: Military and Veterans Affairs Task Force

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Senior Director, New Reactors



Micro Reactor Technology

Designed to replace Diesel Generators



Oklo Aurora
1.5 MWe



Ultra Safe Nuclear Corporation
5 MWe



Westinghouse eVinci
5 MWe



BWXT BANR
17 MWe

- Very small size
 - Site as small as 0.1 acres, building ~size of a house
 - Reactor is road shippable, minimal site work
- Resilience – withstand, mitigate or quickly recover from
 - Extreme natural events
 - Man-made physical and cyber threats
- Operations
 - Automatic operations, island mode and black-start
 - Flexible – hybrid energy and renewables integration

Other Designs (not all inclusive)

- General Atomics
- HolosGen
- Hydromine
- NuGen
- NuScale
- Radiant
- X-energy

Market Opportunities

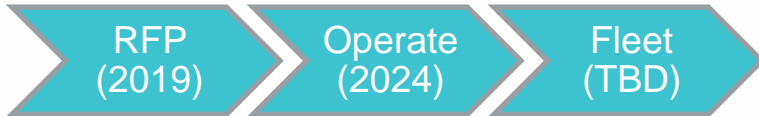


DoD Pursuit of Micro-Reactors

Movable Project Pele



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https://www.cto.mil/pele_eis/

Fixed Eielson Air Force Base



<https://www.eielson.af.mil/microreactor/>