



NRC Pre-Application Engagement
Unity Nuclear Battery
14 September 2026

DEPLOYABLE.*energy*

Mass-manufactured nuclear from the energy capital of the world

Agenda

- Public Meeting
- Environmental Review
- Reactor Design
- Licensing Strategy

UNITY Overview

- The UNITY Nuclear Battery (UNB) consists of a Nuclear Island and a Conventional Island
- It is a 1 Mwe nuclear battery
- Uses standard fuels, materials, and industrial processes already available at commercial scale
 - 4.95% enriched UO_2 fuel
 - Helium coolant
- Thermal power: 3.5 MWt
- Core life: 5 years
- Shielding: configurable, to minimize mass during transport

