

Deployable Energy
1334 Brittmoore Rd
Houston TX 77043
October 09 2025

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Subject: Letter of Intent to Commence Pre-Application Processes with the NRC

The purpose of this letter is to formally notify the Nuclear Regulatory Commission (NRC) of Deployable Energy's (DE) intention to begin license pre-application activities for the siting, construction and operation of the Unity Nuclear Battery (UNITY).

UNITY is a 1 MWe microreactor designed to be inherently safe, factory mass-manufactured, deployable using standard logistics, with ease of siting, commissioning, operations and maintenance. UNITY leverages the vast light water reactor fuel and materials supply chain by being a low enriched uranium ($\leq 5\%$ U235) uranium oxide fueled, light water moderated microreactor. UNITY's evolutionary design provides large safety margins and effective passive actions during off-normal, design-basis, and beyond design basis events.

Deployable Energy has achieved significant commercial traction with over \$10 billion in letters of intent (LOIs) ranging from data centers to remote island community power. Deployable Energy is working with multiple partners in Utah and Texas to power data center facilities, research facilities and remote resource extraction.

For first of a kind (FOAK) deployment, DE is pursuing a 10 CFR 50.22 class 103 non-power utilization facility (NPUF) construction license (CL) and operating license (OL). Deployable Energy, with our site users, would like to initiate NRC engagement to discuss the planned siting and licensing approach. In the future, DE intends to leverage NRC's modernization efforts around streamlined licensing framework under development for multiple UNITY deployments on multiple sites.

Deployable Energy is seeking early and frequent engagements with the NRC staff throughout the development of the UNITY's license application and detailed design. Deployable Energy believes that these engagements are valuable to ensure the UNITY design and license application remain in alignment with NRC regulations and guidance.

We request an in-person meeting with the NRC at your earliest convenience. Please let us know a suitable date and time. During this meeting, we wish to:

- Present background information about UNITY, our organization and project objectives.
- Discuss licensing pathways and regulatory requirements.
- Identify key points of contact and preferred methods of communication.
- Initiate assignment of an NRC project number for NRC interactions.

Please contact Sanjay Mukhi, Chief Commercial Officer, at (956) 251-4192, if you have any questions regarding this letter.

There are no regulatory commitments contained in this letter.

Thank you for considering our request. We look forward to working constructively with NRC staff in pursuit of shared safety and regulatory goals.

Sincerely,

A handwritten signature in black ink, appearing to read "Sanjay Mukhi", with a stylized flourish at the end.

Sanjay Mukhi
Chief Commercial Officer
Deployable Energy

Contact Information:
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email: sanjay@deployable.energy