

Operational Energy

Energy is a critical enabler of warfighting capabilities and directly affects the operational reach of the MAGTF. We must improve our understanding of energy-based risk in operations and associated capability gaps. The future force and operating environment will be more energy-intensive with increasing risk to energy security. Shifting geo-political conditions and the proliferation of adversary A2AD and IW capabilities will increasingly threaten the naval force's access to theater energy supplies and its ability to distribute energy throughout the battlespace. We have to continue to seek improvements in systems for distribution fuel at-sea, from-the-sea and for inland distribution. To gain a comprehensive approach to force development that considers operational energy throughout the entire process, we must:

- Approach capability development from a system-of-systems perspective, managing the MAGTF's growing demand for energy by seeking bottom-up and top-down efficiencies.
- Continue to experiment with concepts and emerging technologies to enhance energy stowage, distribution, and throughput capabilities to support 21st century maneuver warfare.
- Train and educate Marines to incorporate energy-based risk in the planning and execution of all types of operations and missions.