

SUPPORTING THE PRODUCTION OF ENERGY-INFORMED WARPLANS

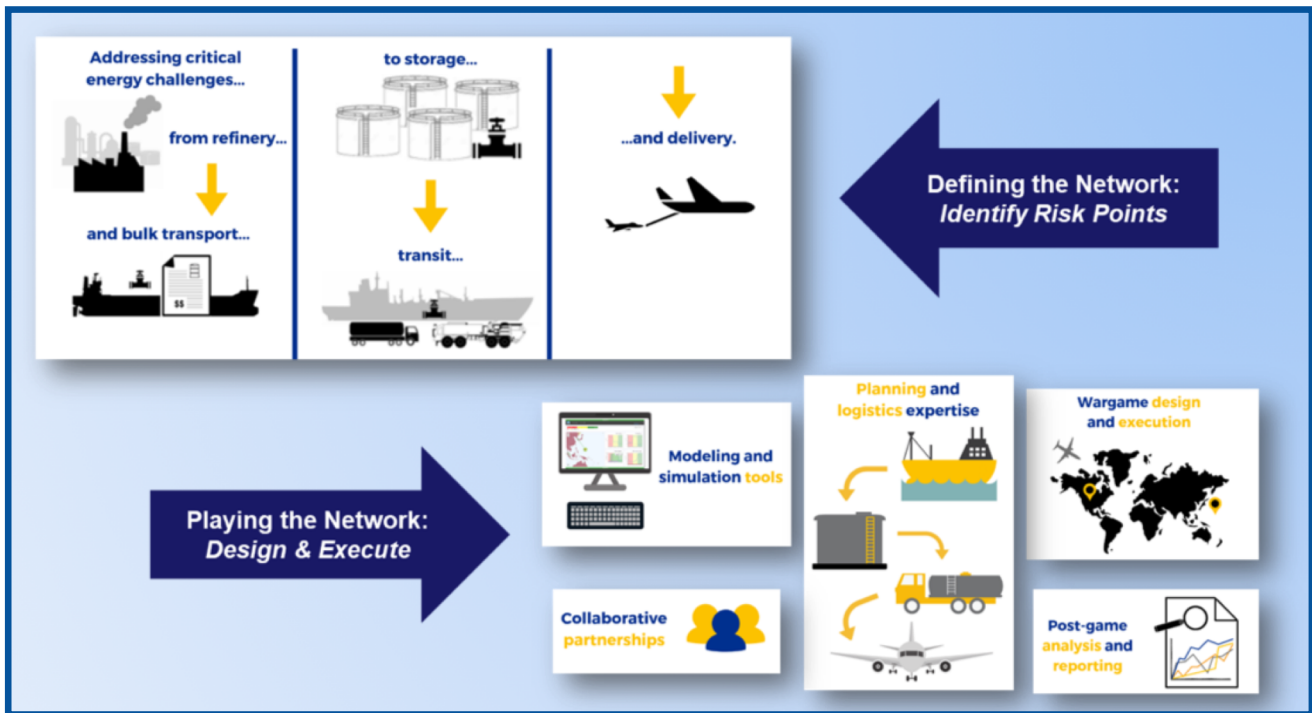


INTEGRATING REALISTIC ENERGY LOGISTICS CONSTRAINTS INTO ANALYSES

The 2018 National Defense Strategy (NDS) calls for resilient and agile logistics in the face of multi-domain threats that will challenge assured delivery of energy to the Joint forces. These new, global threats will test the Air Force's ability to provide operational energy to the warfighter where and when needed in contested environments. Understanding risk throughout all aspects of the energy supply network is crucial to the Air Force's ability to deliver lethality. The Air Force Operational Energy Office supports the production of energy-informed war plans through wargaming, campaign analysis, and modeling and simulation.

WHY IT MATTERS

Wargames that address realistic operational energy challenges and subsequent post-game analyses will help inform leadership decisions about future requirements and force design, enhancing energy posture and increasing lethality in contested environments.



Recent Wargames that Exposed Operational Energy Risk to the Air Force:

GLOBAL ENGAGEMENT 2018

The Air Force Title 10 Wargame Global Engagement 2018 exposed challenges in fuel supply, bulk and operational transport, and storage. Vital post-game analysis defined the energy risks and provided insights into the development of new force capabilities.

JOINT FORCES ENERGY WARGAME 2019

The Air Force participated in a Joint services wargame that addressed gaps in joint operations to deliver, store and distribute fuel. Lessons learned inform leadership decisions to improve resiliency across the full spectrum of the energy supply network.

Deputy Assistant Secretary of
AIR FORCE OPERATIONAL ENERGY



OUR MISSION

To enhance combat capability and mitigate operational risk to the warfighter through energy-informed solutions.

OUR VISION

To create an energy optimized Air Force that maximizes combat capability for the warfighter.

OPTIMIZING OPERATIONAL ENERGY LEADS TO:



INCREASED
Combat Capability



INCREASED
Aircraft Lifespan



LOWER
Aircraft Maintenance Costs



MORE
Training Opportunities

\$5-7 BILLION

is spent on Air Force aviation fuel **ANNUALLY**

81% of the Air Force **ENERGY BUDGET** is spent on aviation fuel

2 BILLION

GALLONS of aviation fuel used by the Air Force **ANNUALLY**

8,000

additional sorties fueled from a **1% EFFICIENCY INCREASE**

#FUELMOREFIGHT



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