



The Energy and National Security Nexus



CONVERGE
STRATEGIES



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CONVERGE
STRATEGIES

We are focused on the intersection of **clean energy, resilience, and national security.**

Our mission is to **integrate resilience and security as first principles** in the clean energy transformation.

ENERGY:
**A NATIONAL SECURITY
IMPERATIVE**

“The Homeland is No Longer a Sanctuary”



Billions

Of cyber attacks targeting utilities
across the country every year



20+

Physical attacks on grid
infrastructure in 2022



122

Separate billion-dollar disasters
resulting in 5,000+ fatalities and
more than \$1T in damages

Two Sides of the Same Coin

✓ Mission Assurance

✓ Energy Independence

✓ Grid Transition



✓ Supply Chains

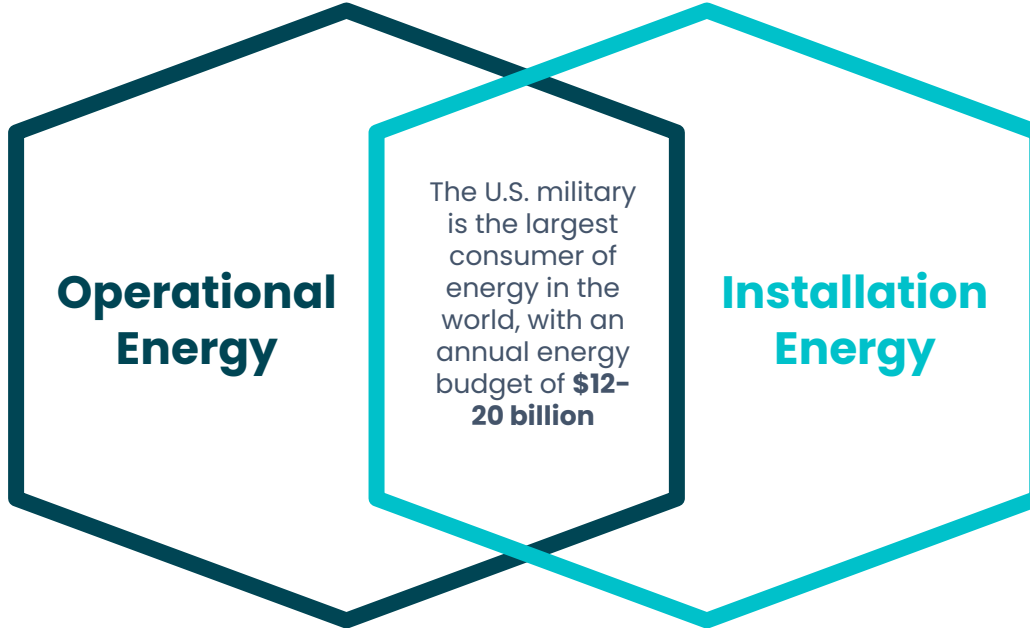
✓ Price Shocks

✓ Geopolitical Pressure

DoD Is the Largest Consumer of Energy Through Both Its Operations and Installations

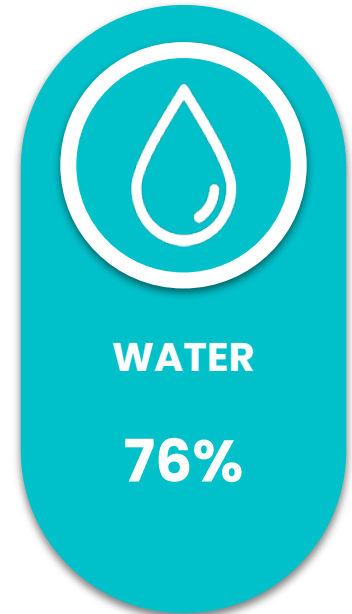
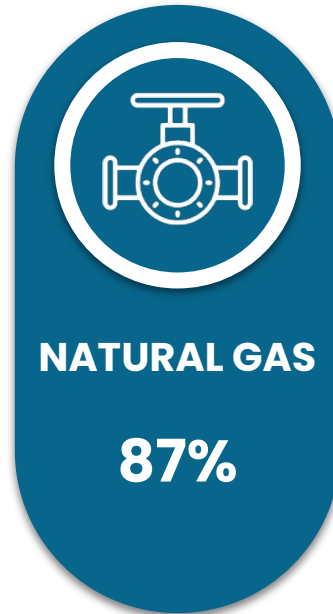
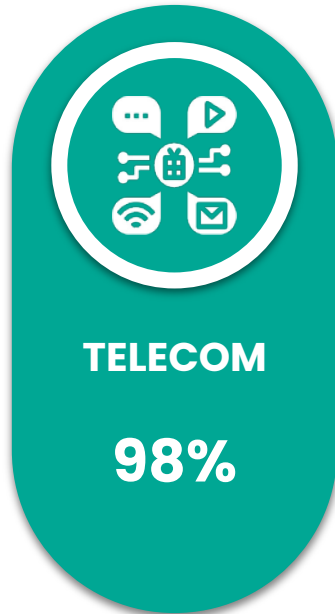
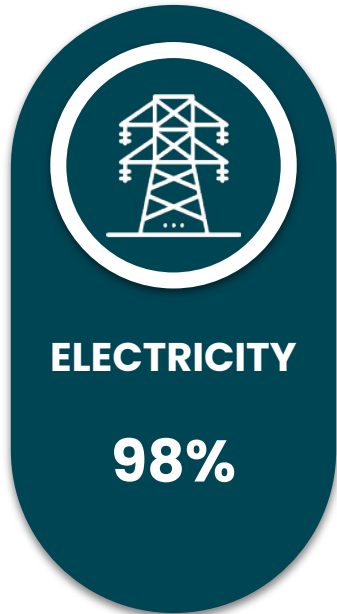


- “The energy required for training, moving, and sustaining military forces and weapons platforms for military operations.”
- Includes tactical power systems, vehicles, generators, and weapons platforms.



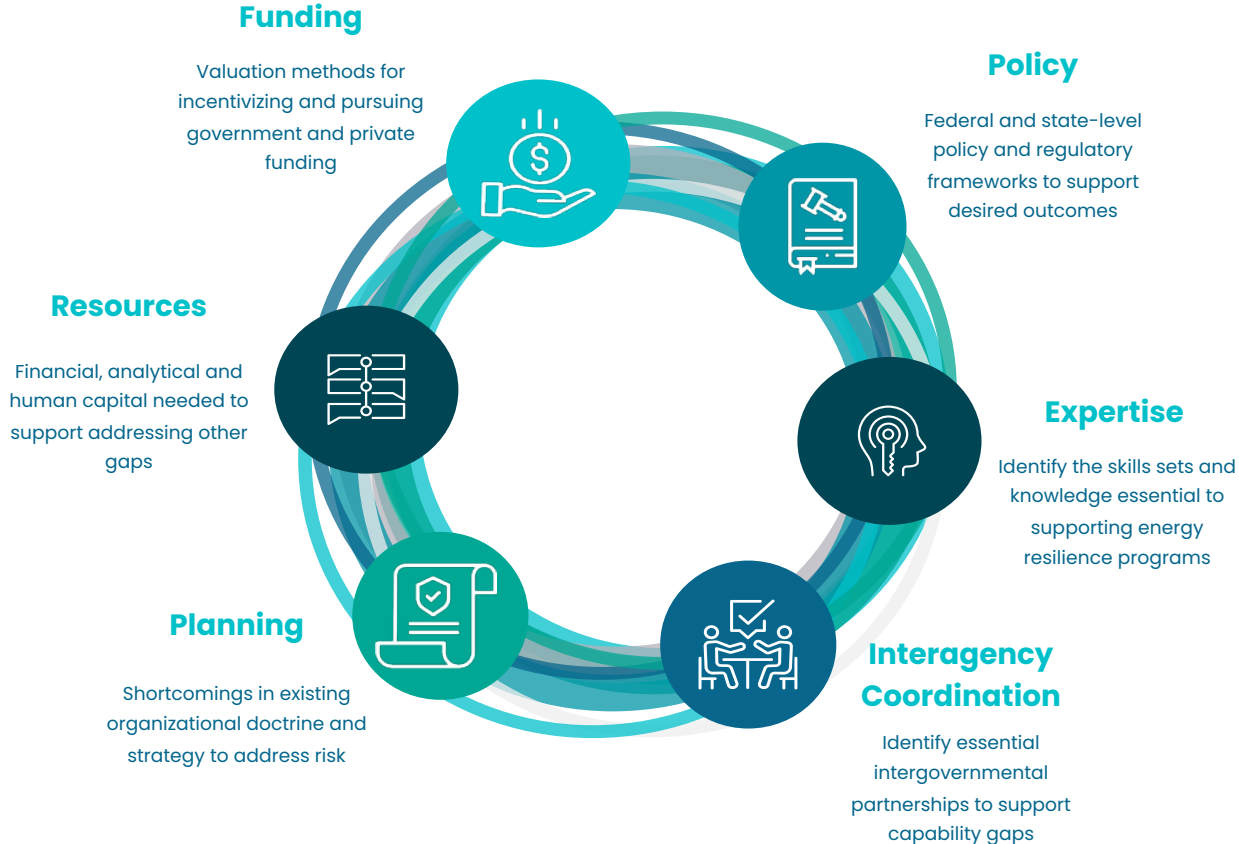
- The energy used to power more than 500 bases and other installations.
- Includes electricity and natural gas for more than 300,000 buildings and fuel for more than 160,000 non-tactical vehicles.

DoD Bases Are Almost Entirely Reliant On Civilian Infrastructure To Support Critical Missions

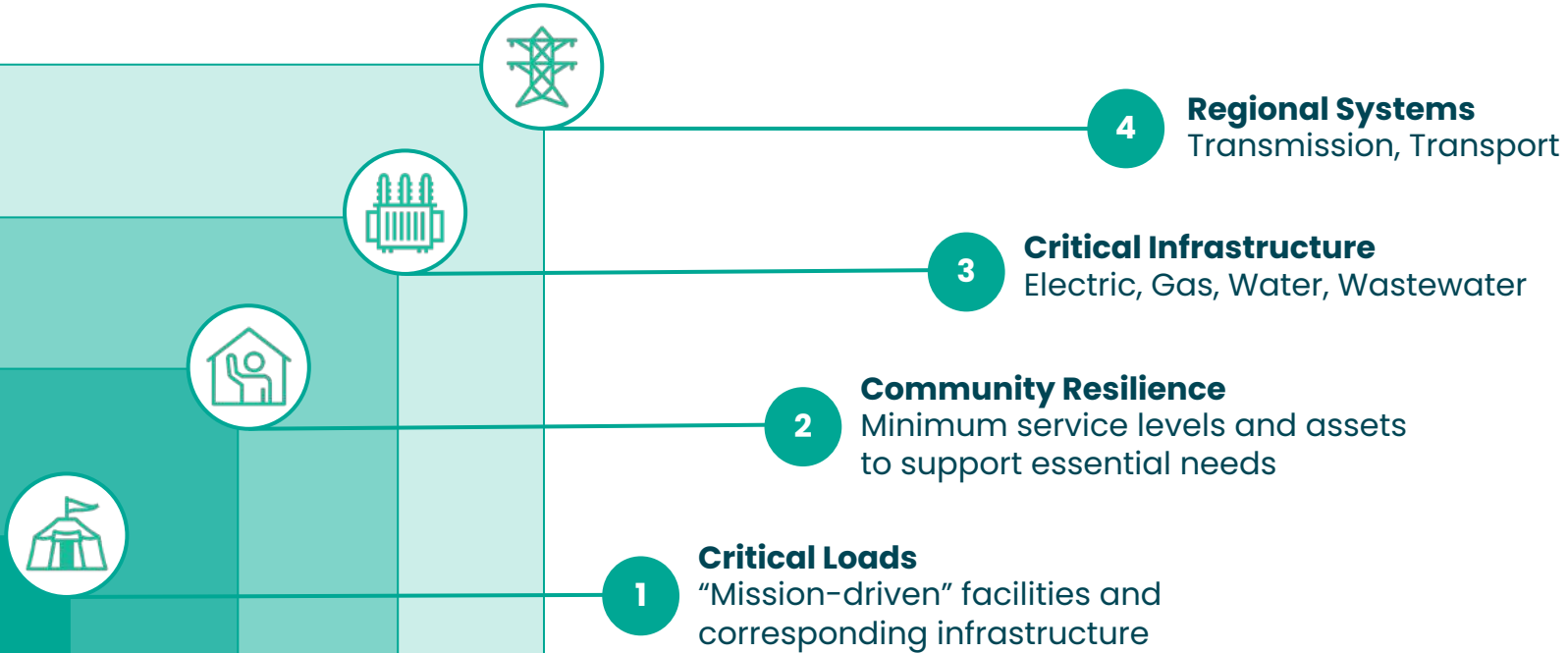


STATES:
**THE BUILDING BLOCKS OF
ENERGY RESILIENCE**

Energy Resilience Strategy: Identifying Gaps



Energy Resilience is a Layered Approach



THE PATH AHEAD:
**ACCELERATING THE
TRANSITION**

First Things First

Community Resilience

- FEMA Lifelines
- Critical Infrastructure
- Energy Equity



Strategies

- State Energy Policy
- Utility Resource Planning
- Infrastructure Grant Applications

Foundational Documents

- State Energy Security Plans
- State Emergency Operations Plans
- Power Outage Incident Annex
- Threat and Hazard Identification and Risk Assessment

Ready, set, build



“The trouble is that the scale of the changes needed to adapt the world’s electricity grids is vastly underappreciated. Too little investment is taking place”

Source: The Economist, April 5th, 2023

04

EMERGING ISSUES FOR STATES

Emerging Issues for States When Considering Defense-Related Topics



RATE RECOVERY

Should DoD be responsible for supporting defense energy resilience investments?



RATEPAYER BENEFITS

What types of ratepayer “co-benefits” can be derived from defense energy resilience projects?



ECONOMIC DEVELOPMENT

Should the economic impact of supporting in-state military installations be taken into account?



BENEFIT-COST ANALYSIS

How, if at all, should regulators integrate a value of resilience into their decision making?



DEPT. OF DEFENSE ENGAGEMENT

How can regulators most effectively engage with defense stakeholders?



SECURE COMMUNICATIONS

How can regulators investigate investments while preserving sensitive national security information?



CYBERSECURITY

How can regulators best keep up with utility industry and DoD cybersecurity requirements?

States Can Proactively Engage with DoD and Explore Potential Next Steps



**Assess In-State Defense
Critical Infrastructure**



**Engage with In-State DoD
Representatives**



**Initiate an Investigative
Docket**



**Explore the Development
of Joint Metrics**



**Engage in Defense-
Relevant Projects**



**Explore Secure Comms
Frameworks**

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