

TRANSMISSION EXPANSION FOR NATIONAL DEFENSE (TREND)



The TREND publication presents concepts for aligning transmission grid investment with national defense to encourage conversation with the electricity industry and the national security enterprise on sustaining and expanding our nation's transmission system.

Accelerating Transmission Expansion



The U.S. electric power grid is a cornerstone of our national defense and should be viewed as an extension of Department of Defense (DoD) missions and weapons platforms. The resilience of our electric power grid is integral to the success of our military's missions.

TREND provides ideas to:

- Accelerate the transmission planning process.
- Diversify generation access to support DoD.
- Build DoD energy loads into grid planning.

Strengthening the Grid for Critical Defense Facilities



Military installations are closely connected to and affected by their surrounding communities. The resilience of the electric power grid for defense communities is vital for DoD's mission assurance.

TREND provides ideas to:

- Establish infrastructure design criteria that reflects mission-criticality.
- Design new power grid restoration protocols that focus on national defense.

Empowering DoD as a Transmission Proponent



There is an opportunity to equip DoD with the authority and capability to engage in grid planning. Utilities and grid operators require clear input and engagement from DoD about its energy resilience requirements to support national defense.

TREND provides ideas to:

- Host new transmission on DoD land.
- Understand DoD transmission vulnerabilities and integrate grid stakeholders into DoD exercises.
- Enable DoD to buy electricity from projects within planned transmission corridors and purchase transmission capacity to support resilience.



Without rapid and persistent action at the national and regional scales, vulnerabilities to the systems that support our most critical needs will soon outpace our ability to address them.

— TREND

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