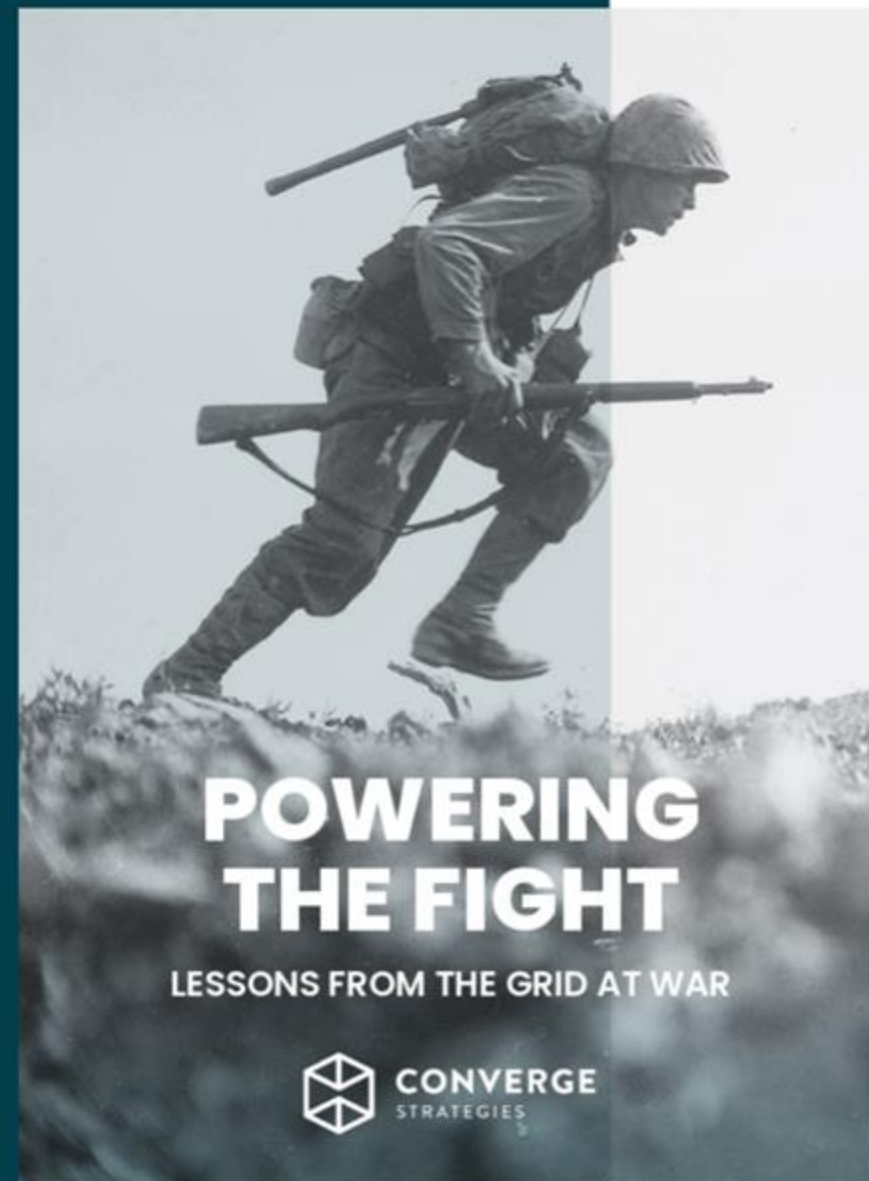


OUR MISSION IS TO

**FORGE AN ENERGY FUTURE THAT STRENGTHENS  
AMERICAN SECURITY AND PROSPERITY**

We are experts working at the intersection of energy resilience and national security.

# Powering The Fight: Lessons from the Grid at War



## POWERING THE FIGHT

### LESSONS FROM THE GRID AT WAR



Over the last half century, technological innovations have transformed modern warfare and intertwined U.S. military operations with the reliability and durability of the U.S. power grid.

While these advancements in defense capabilities have strengthened the U.S. security posture in many ways, the current electric grid poses a severe vulnerability.

As the commercial power grid faces the largest increase in electricity demand in two decades, defense leaders must work across the federal government and with industry to ensure that the grid is capable of serving the U.S. military's needs should it be called on to fight a major war.

- 1 Prioritize interregional transmission** to redirect surplus power to areas of the nation experiencing shortfalls
- 2 Foster interagency collaboration** for coordinated engagement across critical defense and energy agencies
- 3 Emphasize defense critical electric infrastructure** as the focal point for DOE and DoD engagement with grid planners
- 4 Strengthen public-private financing** for transmission expansion with financial instruments to derisk investment and reduce ratepayer burden
- 5 Support a flexible, efficient, and lean grid** through federal investment in innovative grid technologies to maximize current infrastructure
- 6 Build installation loads into grid planning** to ensure utilities and grid operators have sufficient capacity for defense needs.

“The history of the two great world wars has proved dramatically the vital part of electric power. literally speaking, those who won had enough; those who lost, not enough. It will be equally true in any future conflict in which we may be forced to engage.”

— Walker Ciser, Founder of the National Academy of Engineers



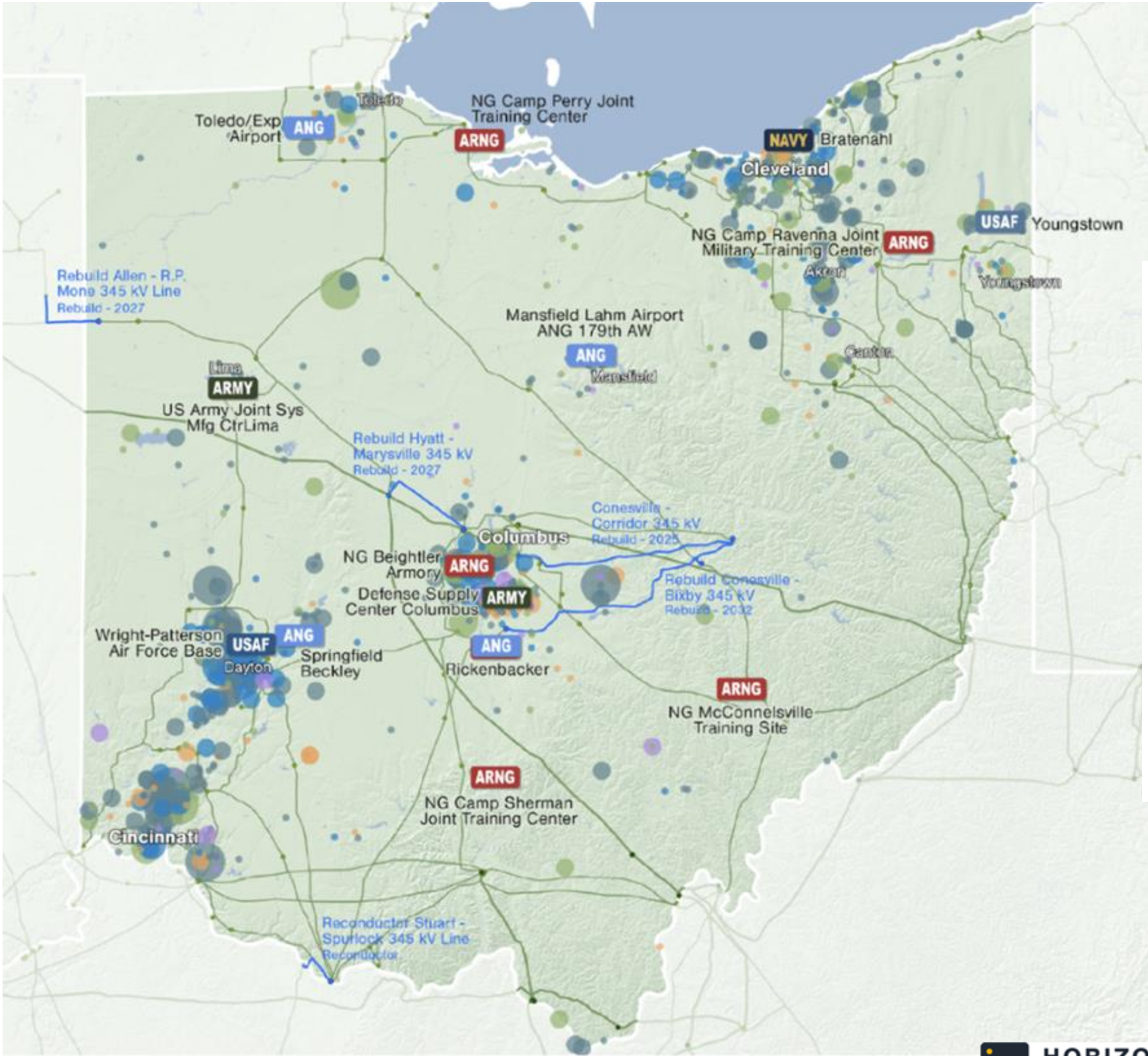
CONVERGE STRATEGIES

POWERING THE FIGHT | LESSONS FROM THE GRID AT WAR | CONVERGESTRATEGIES.COM

**The Value.** Identifies a path forward to ensure defense industries and missions have sufficient electricity supply, drawing on lessons from World War I, World War II, and the Korean War



# Deterrence by Resilience: Electricity for the Defense Industrial Base



Funding by Detailed Sector  
State of Ohio

|                                                                          |        |
|--------------------------------------------------------------------------|--------|
| Research and Development in the Physical, Engineering, and Life Sciences | \$1.8b |
| Aircraft Engine and Engine Parts Manufacturing                           | \$1.2b |
| Petroleum Refineries                                                     | \$399m |
| Other Aircraft Parts and Auxiliary Equipment Manufacturing               | \$344m |
| Ammunition Manufacturing                                                 | \$305m |
| Other Heavy and Civil Engineering Construction                           | \$303m |
| Research and Development in the Physical, Engineering, and Life Sciences | \$302m |
| Engineering Services                                                     | \$212m |
| Commercial and Institutional Building Construction                       | \$205m |
| Fruit and Vegetable Canning                                              | \$152m |

# Connect With Converge Strategies



**VISIT**

[www.ConvergeStrategies.com](http://www.ConvergeStrategies.com)



**CONNECT**

Converge Strategies, LLC



**FOLLOW**

[@CnvrgStrategies](https://twitter.com/CnvrgStrategies)



**SUBSCRIBE**

CSL Newsletter