



# Resilient Technology Comparison

Acquisition, Technology and  
Logistics

Metric	Generators and Fuel	Microgrid, Solar PV, and Storage
Average Critical Load	1 MW	
Project Area Required	53 m <sup>2</sup>	10,000 m <sup>2</sup>
Storage Volume Required	8.5 m <sup>3</sup>	95 m <sup>3</sup>
Fuel/Storage Energy Density	3200 kWh per m <sup>3</sup> †	589 kWh per m <sup>3</sup> ‡
Training Requirement	Simple	Complex
Security Concerns	Physical, EMP	Physical, Cyber, EMP

\* General values provided for training purposes. Values may differ depending on the installation.

† Diesel fuel consumed in 33% efficient generators.

‡ Lithium ion batteries with 15% roundtrip efficiency loss.