



\$1M in Capital and \$100k/yr in OM&T

Acquisition, Technology and Logistics

Generators Only

(2MW load, n+1 configuration, >99.9975% reliability)

3  1MW diesel generator†

1  Technician with annual training*

268  45 gallon barrels of diesel fuel

72  Hours of electrical outage system can withstand

Microgrid, Solar PV, & Storage

(0.25MW load, n configuration, >99.5% reliability)

1  250kW Solar PV Farm

1  1MWh battery system

1  Basic microgrid control system

1  Advanced technician with annual training*

12  Hours of electrical outage system can withstand

*Cost of maintenance included in technician cost
†Fuel tanks included in generator cost



Cut-Out of Select Assumptions For Comparison Purposes

Acquisition, Technology and
Logistics

DoD assumptions used in MIT-LL analysis¹:

- \$300 per kW for generators (aligned to 1 MW generators)
- \$1 per watt for solar PV installed (aligned to utility scale projects)

Industry (Lazard) assumptions used in its analysis²:

- \$500 per kW for generators (commercial applications)
- \$2 per watt for solar PV installed (commercial applications)

Differences in assumptions are based on addressing needs of specific customers, and aligned to meet a user need or requirement. Explained further below.

¹The analysis on slide 1 has been aligned to DoD assumptions for customization to DoD mission and project-level requirements. The MIT-LL model used is dynamic and can be customized to address specific user needs, as appropriate.

Reference: <https://www.ll.mit.edu/mission/engineering/Publications/TR-1216.pdf>

²Lazard builds its analysis and assumptions for commercial and industry customers.

Reference: <https://www.lazard.com/perspective/levelized-cost-of-energy-2017/>

Reference: <https://www.lazard.com/perspective/levelized-cost-of-storage-2017/>