USMC Expeditionary Energy Concepts to Combat

14 October 2011
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Unclassified
Experimental Forward Operating Base (ExFOB)
First ExFOB
India Company 3/5 Battlefield Evaluation
Helmand Province AFG Early 2010

SPACES
(Battery Charger)

GREENS
(300 Watts Continuous Power)

Zero Base
(300 Watts Continuous Power)

To Reduce
Fuel &
Battery
Re-Supply

LED Lights

Solar Shade
(100 Watts Continuous Power)

Solar Light Poles

Unclassified
Acceleration of ExFOB Gear to OEF Programs of Record

Cost & Savings:
- **Cost $25M**
  - Below Initial Estimate of $39M
- **Projected Savings**
  - Est. $40.9M / Year
  - Est. 9M lbs / Year
  - 450 MV-22 Sorties
  - 180 Fuel Trucks

Operational Impact:
- Fielding Complete by Feb 12
  - Before Dec 12 Initial Estimates
- Reduced fuel and battery requirements, reduced load
- Improved quality of life with efficient shelters
- Quiet, easy to maintain systems

Leveraging Learning and Leadership of India Co. 3/5
Training and confidence in equipment are key to realizing savings.
Evaluating Next Round of ExFOB Gear

Hybrid Systems & DC Air Conditioners—Systems Approach