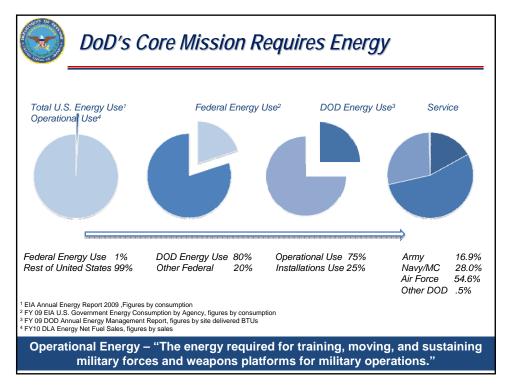
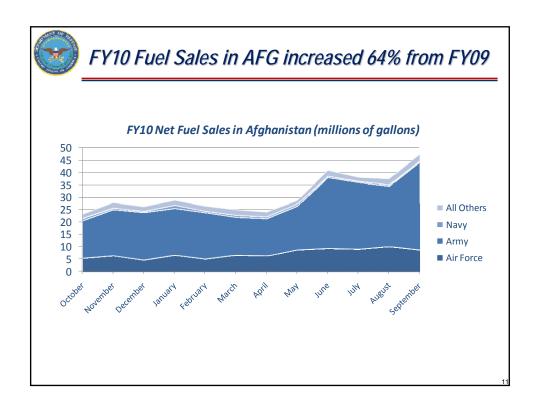


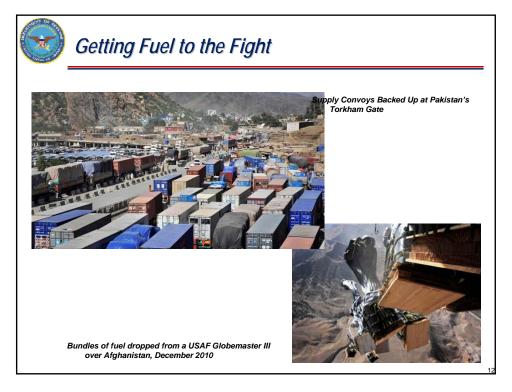
Page 1 of 11



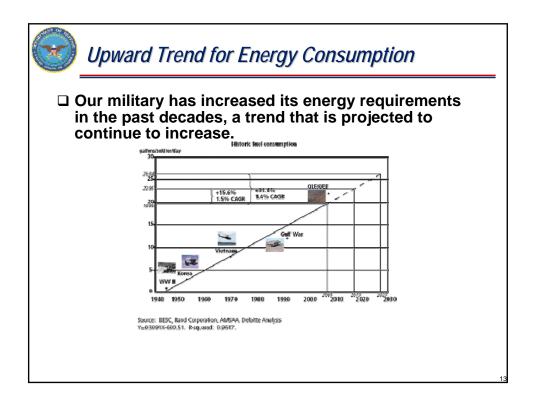


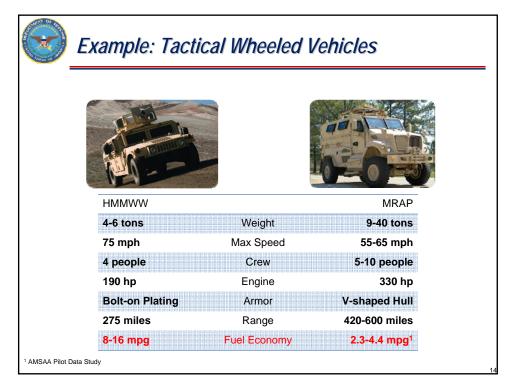
Page 2 of 11



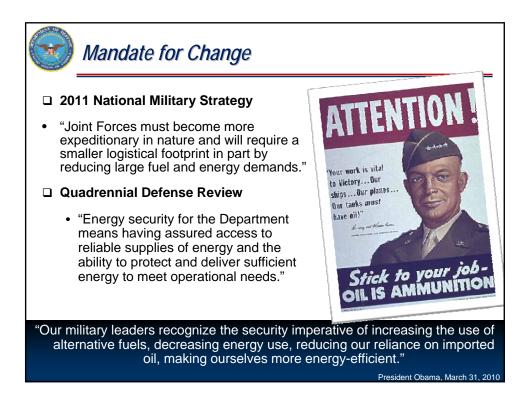


Page 3 of 11





Page 4 of 11

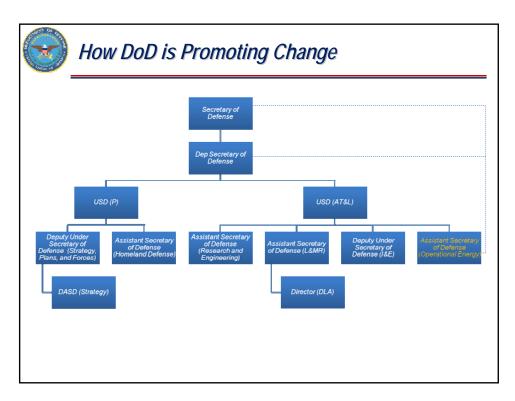




Page 5 of 11



- □ Iraq & Afghanistan 3,000 Army personnel or contractors killed or wounded between FY03-07 in attacks on water and fuel convoys
- □ Afghanistan One Marine wounded for every 50 convoys in 2010



Page 6 of 11



Energy Security for the Warfighter

- □ Improve End Use of Operational Energy
- □ Expand Supply of Operational Energy
- □ Build Operational Energy into Force Planning

Current Force → **Future Force**



End Use at Today's FOBs

☐ Technologies to Reduce Fuel Demand



SMART GENERATION



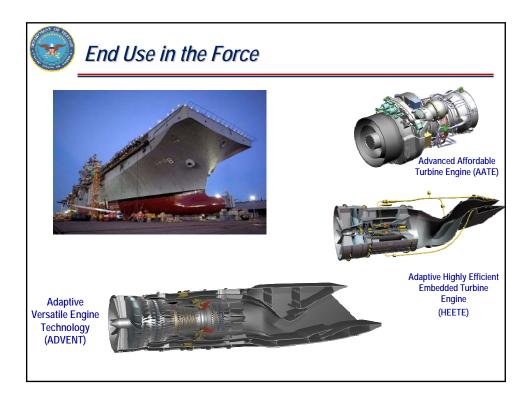
HVAC

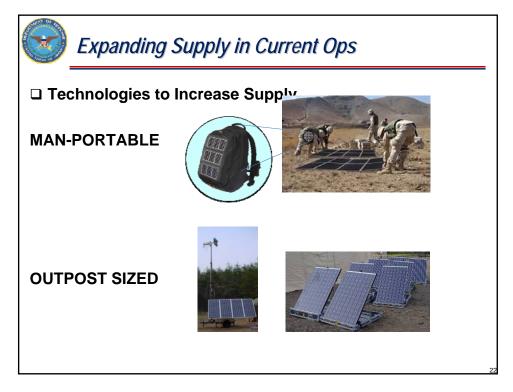


TENT SHADING

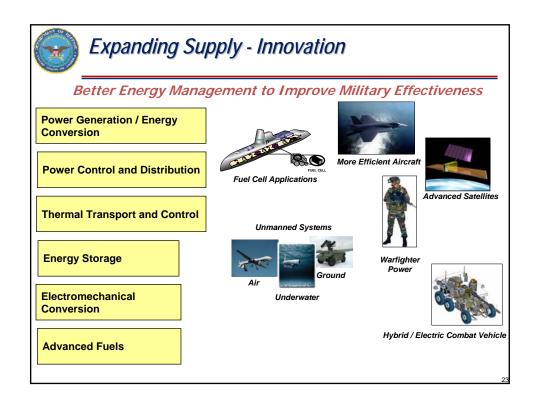


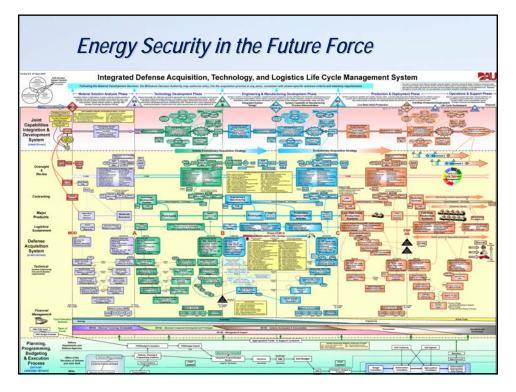
TENT LINING AND LIGHTING





Page 8 of 11





Page 9 of 11



What Does Success Look Like?

Energy as a Strategic Advantage for the Warfighter





National Security Implications of Climate Change

□ 2010 QDR

- "Climate Change will shape the operating environment, roles, and missions that we undertake."
 - > Significant geopolitical impacts
- Impacts of Climate Change at DOD facilities and on our military capabilities
 - > Extensive coastal infrastructure
 - > Climate adaptation
- ☐ Improving Operational Energy Security will result in reduced GHGs



Page 10 of 11



Transforming DoD Energy

- □ Bottom Line: By improving the way we use and value energy, we can make our warfighters more effective.
- □ Lower Costs to the Taxpayer
- □ Innovation for the Nation



Marine Wing Support Squadron 273 assesses technology in Morocco as part of African Lion 2010

Improving Energy Improves Effectiveness, Cost, Innovation