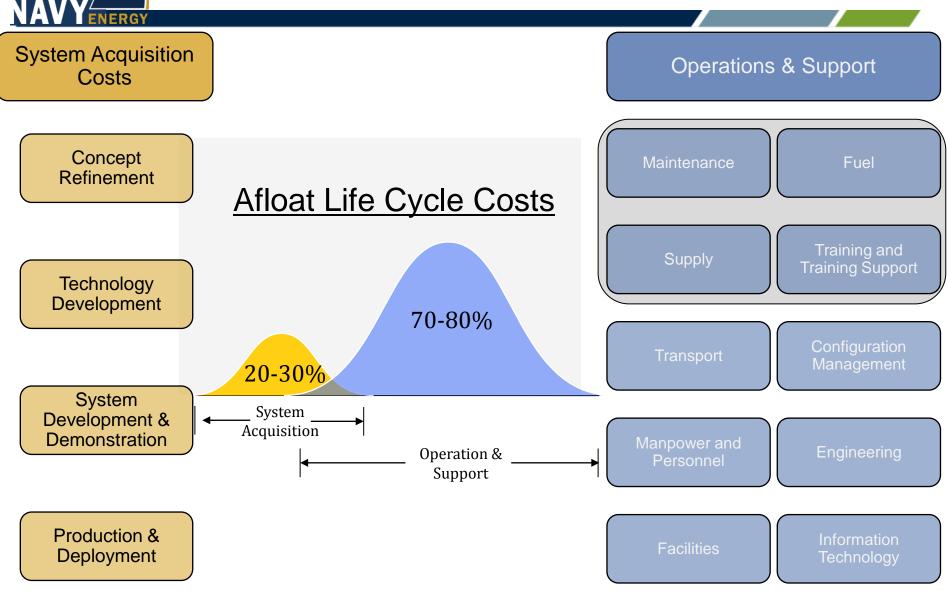


Energy and Total Ownership Cost

Ms. Jo Decker
Assistant Deputy Chief of Naval Operations
(Fleet Readiness & Logistics) N4B



Lifecycle Cost and TOC

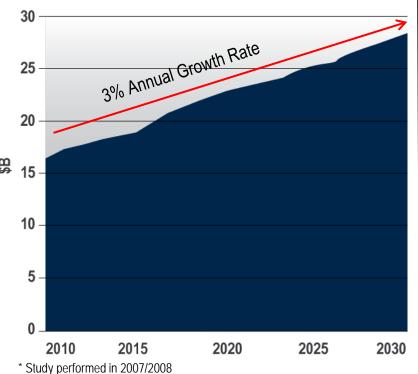




Energy Cost Growing

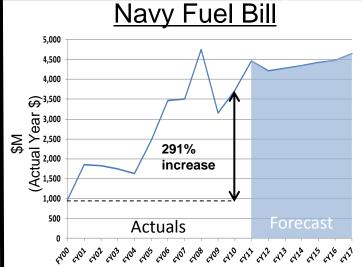
Navy TOC: Aviation, Ship, & Sub OM&R*

Reflects Flying Hour, Aviation Depot, Ship Ops, Ship Maintenance Programs

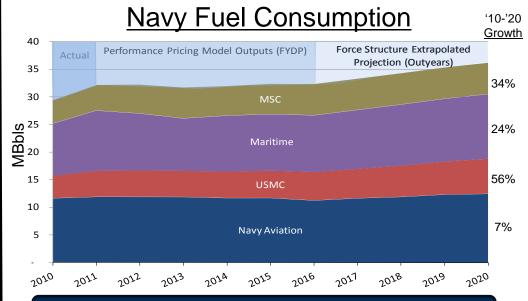


 Operating and maintaining our Fleet is on a trend that is unsustainable

Growing energy costs and consumption are the most dynamic component of TOC



- An ever increasing percentage of our operating costs
- \$1 change in a barrel of oil leads to \$30M change to fuel budget
 - Volatility of oil prices increasing

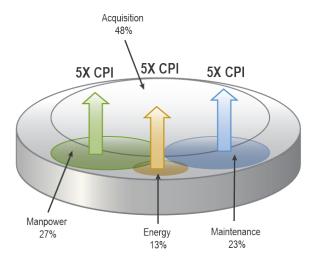


23% increase across the decade



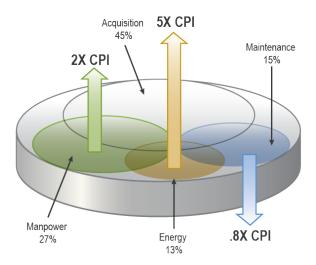
Total Ownership Cost Challenges

Typical Rotary Wing Platform (1996–2009)



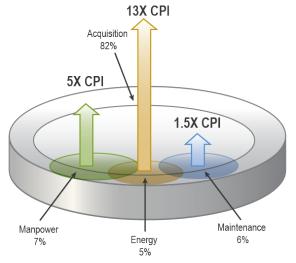
- CPI increased 39%
- Maintenance costs increased 187%... Nearly five times CPI!
- Military Manpower costs increased 208%...
 Over five times CPI!
- Energy Costs increased 200%... Five times CPI!

<u>Typical Surface Combatant</u> (1991–2009)

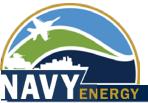


- CPI increased 59%
- Private sector depot port rates increased 49%...
 Slightly less than CPI
- Military Manpower costs increased 114%...
 Almost double CPI
- Energy Costs increased 292%... Five times CPI!

<u>Typical Fixed Wing Platform</u> (2001–2009)



- CPI increased 23%
- Maintenance costs increased 35%...
 One and one-half times CPI
- Military Manpower costs increased 130%...
 Five times CPI!
- Energy Costs increased 300%... Thirteen times CPI!



Back to the Future

