



I AM AIR FORCE ENERGY:

Your Role in Sustaining an Assured Energy Advantage in Air, Space and Cyberspace

Power the Force. Fuel the Fight.



Why is energy critical to Mobility Air Force (MAF)?

- The Air Force spent almost \$8 billion on jet fuel in 2012—\$4.7 billion used by MAF.
- Every Air Force dollar not spent on fuel is a dollar available for other priorities.
- Fuel efficient operations increase mission effectiveness including more range and/or expanded capacity.
- Energy security equals national security and every Airmen has a role to play.
- It costs fuel to carry fuel. Four to five percent of excess fuel carried is consumed every hour just to carry that fuel.

What is the Air Force Doing?

- Investing in new technology like the C-5M and KC-135 propulsion upgrade program help move cargo farther, more efficiently, in less time, with lower maintenance and fuel costs
- Introducing the Electronic Flight Bag (EFB) that reduces the amount of printed materials carried onboard and opens new efficiencies through computer applications.
- Regularly removing particulate build-up in KC-10 engines avoided 939,000 gals of fuel and \$2.9 million in 2012.
- Investing in Distributed Mission Operations which link simulators for different types of aircraft together to decrease training events in aircraft and aircraft training hours.
- Removing non-essential items on aircraft and flying the most accurate speeds, altitudes and routes to maximize efficiency
- Comparing the cost to purchase fuel down-range to the cost of carrying additional fuel avoided more than \$13 million per month since July 2012.

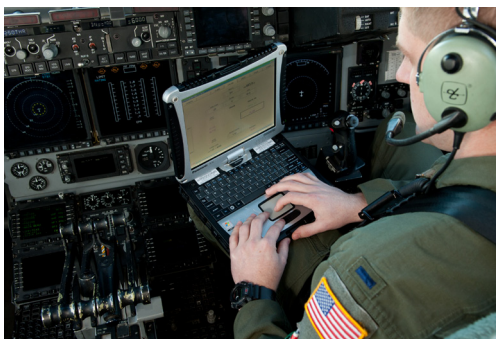
AIRMEN IN ENERGY



Air Mobility Command Fuel Efficiency Division

- Utilizing the Agile Transportation for the 21st Century USTRANSCOM program to assist pilots, loadmasters, logisticians and others to better execute missions: increases mission effectiveness, reduces sortie flight time and decreases fuel requirements
- Applying commercial aviation solutions by introducing Indexed Flying into basic flight plans, developing two-dimensional capability and investing in a four-dimensional visualization MAF Flight Planning Service for the future
- Enhancing aircrew expertise and advanced tools to seek out the most favorable winds, fly the most advantageous routings and properly manage aircraft configurations

AIRMEN ACCOMPLISHMENTS



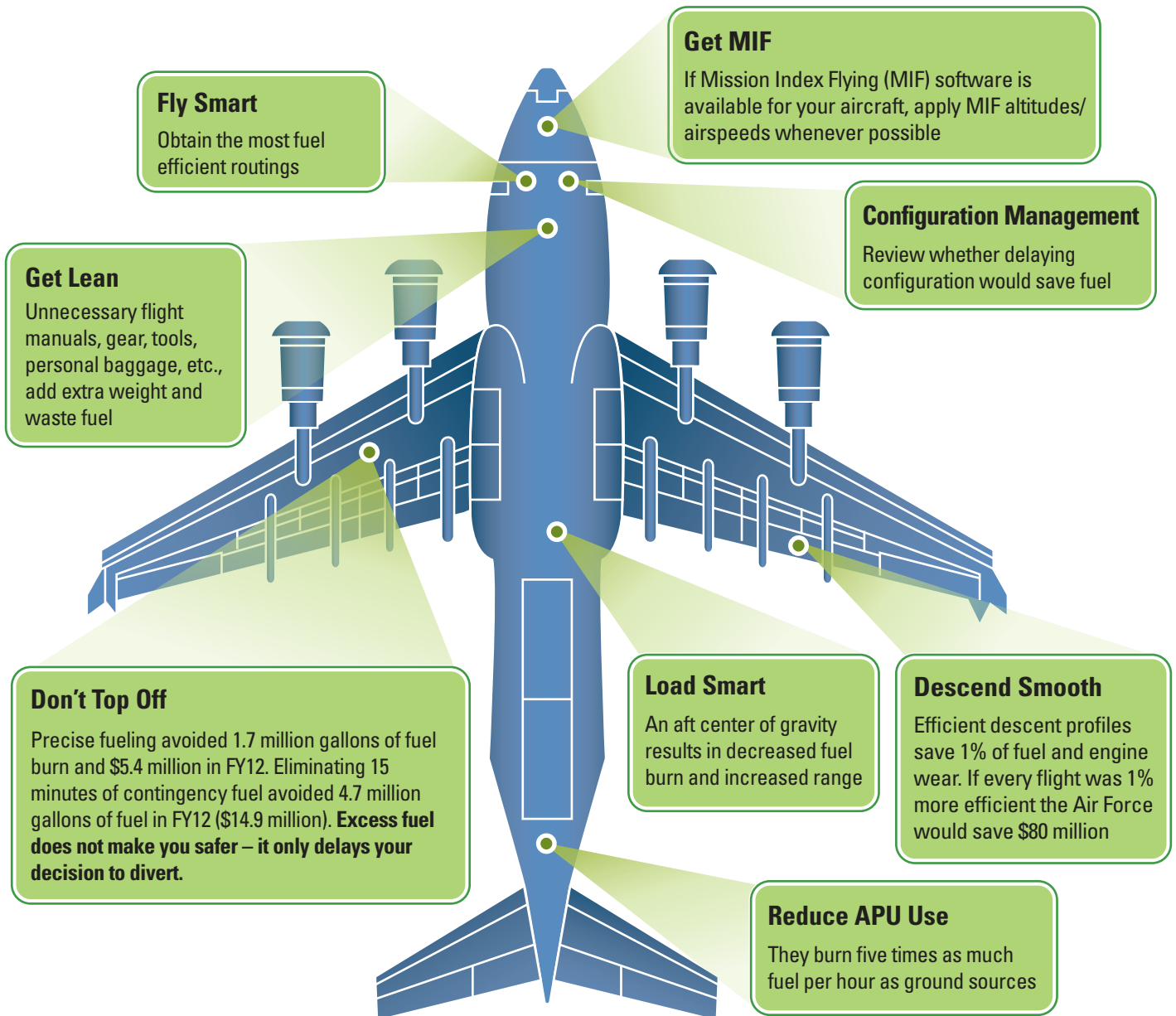
Air Mobility Command; Scott Air Force Base:

- Won 2 U.S. Department of Energy Federal Energy Management Program awards.
- Implemented Mission Indexed Flying Software on C-5, C-17, KC-10, KC-135 aircraft that optimizes flying altitude and speed based on real-time weather avoiding 19.5 M gallons of fuel since June 2011.
- Increased the cargo weight delivered on channel missions which reduced sorties and avoided \$68M in flight hour cost in FY12.
- Established wing fuel efficiency offices responsible for oversight and program management at tactical levels regarding aviation fuel efficiency measures.

“The smart use of energy means flying our aircraft farther, transporting more cargo, and accomplishing our mission in a more efficient and effective way.”

— Acting Secretary Eric Fanning; Letter to Airmen October 1, 2013

DO YOUR PART*



* <http://www.fueleconomy.gov/feg/drivehabits.shtml>