



# 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.

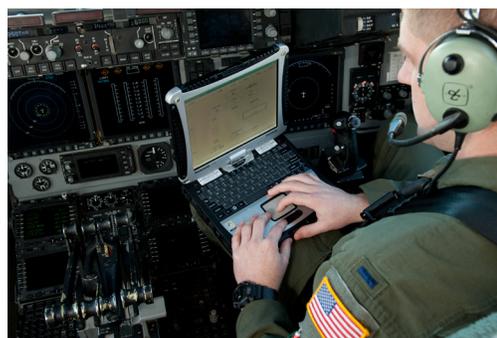
### AIRMEN IN ENERGY



#### 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



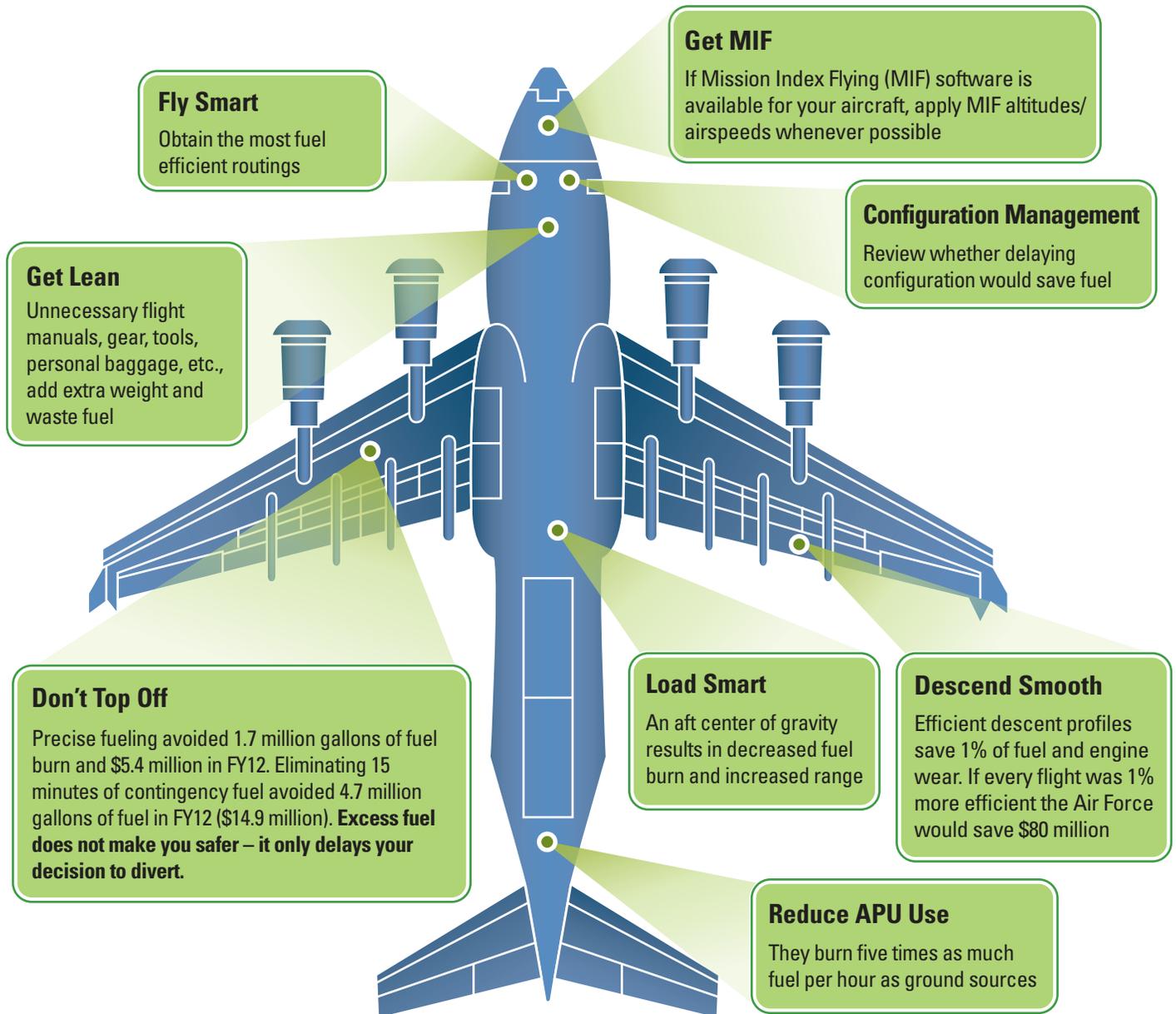
#### Air Mobility Command; Scott Air Force Base:

- 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>