Why We Fly
Air Force Energy Consumption

$9.7 BILLION for 2.5 billion gals of fuel & 64 million MBTUs = 79 F35s

Reinvesting energy savings into the mission
Air Force is a relatively small consumer of aviation fuel
Air Force Energy Plan

3-PART STRATEGY

- Reduce Demand
- Increase Supply
- Change the Culture

ENERGY VISION:
An Assured Energy Advantage in Air, Space and Cyberspace
Increase Supply – Aviation Operations

GOAL

Acquire 50% of domestic aviation fuel requirements via alternative fuel blend by 2016

PROGRESS:

- First transcontinental flight, supersonic flight, aerial refueling
- 1.3M gals of alternative fuels purchased

NEXT STEPS:

- Testing third ATJ fuel pathway
- 400M gals of alternative fuel by 2016
Increase Supply Success Story –
Alternative Fuels in Flight

Air Force will be a ready consumer by 2016
Partnership – Aviation
Commercial Aviation Alternative Fuels Initiative (CAAFI)

GOAL
Industry and government collaborate to promote alternative fuels

PROGRESS:
- Developed fuel certification process
- Durability testing of Alternative fuels
- United and Alaska Airlines using alternative fuels
“Fundamentally, we know that saving energy saves lives. Whenever our forces go into harm’s way, they must have the best tools possible. Improving our energy security can help us do that, and we really don’t have time to waste.”

– General Martin E. Dempsey
Chairman, Joint Chiefs of Staff
October 18, 2011