

Headquarters U.S. Air Force

Integrity - Service - Excellence

U.S. Air Force Energy Program



**Omar Mendoza
Acquisition and R&D Policy**

U.S. AIR FORCE



U.S. AIR FORCE

Why We Fly



Integrity - Service - Excellence



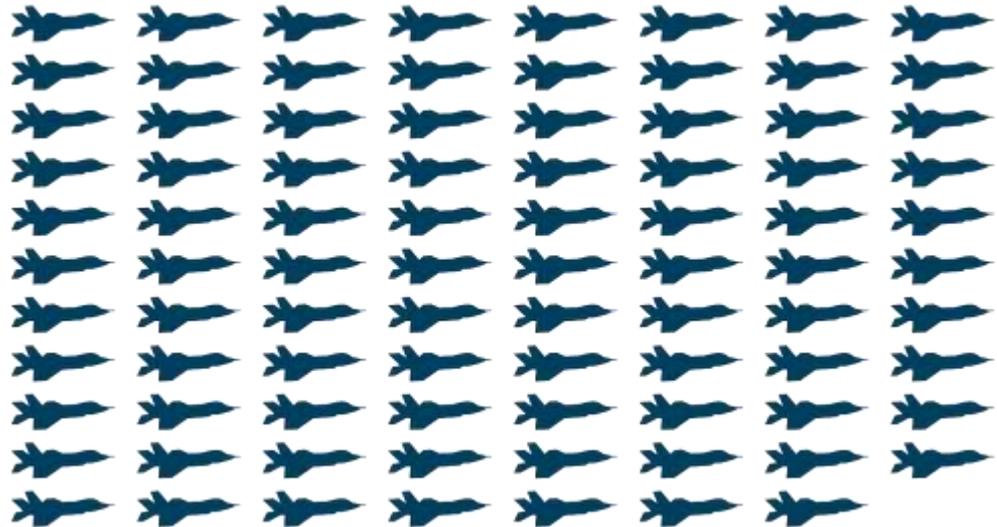
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Air Force Energy Consumption

\$9.7
BILLION

=

for
2.5 billion gals
of fuel & 64
million MBTUs



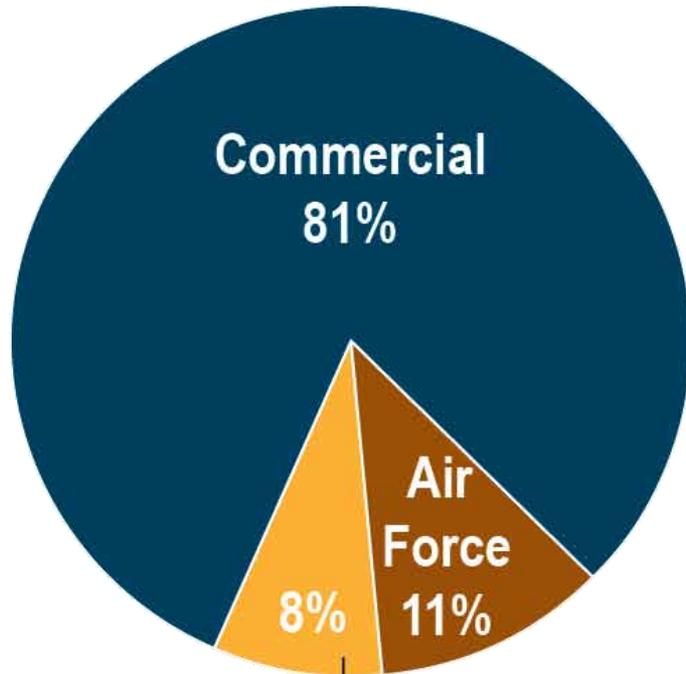
79 F35s

Reinvesting energy savings into the mission



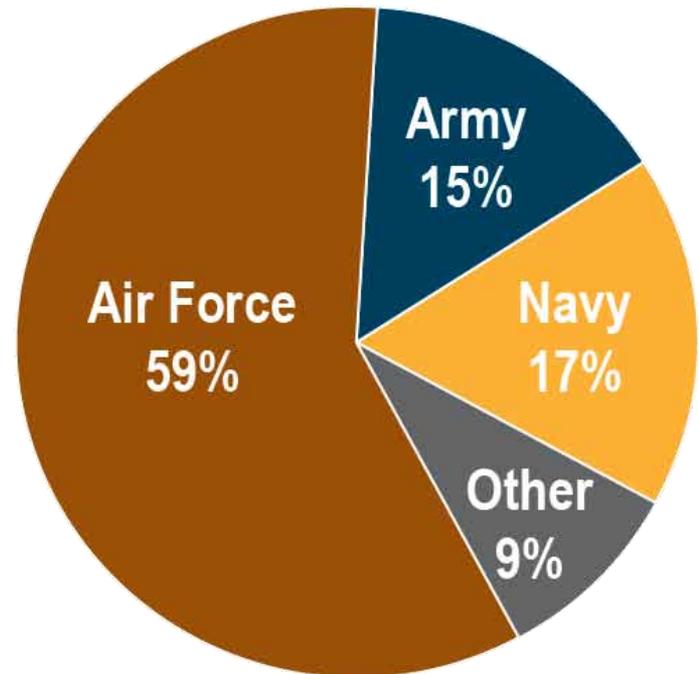
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FY 11 Air Force Aviation Fuel Consumption



Other DoD

U.S. Aviation Fuel Consumption



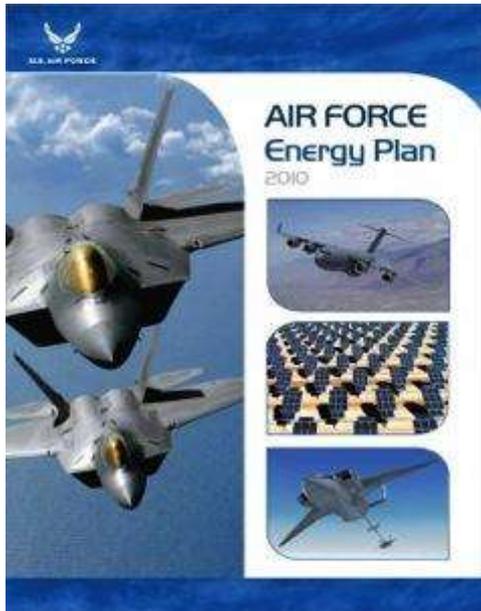
DoD Aviation Fuel Consumption

Air Force is a relatively small consumer of aviation fuel



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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



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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:

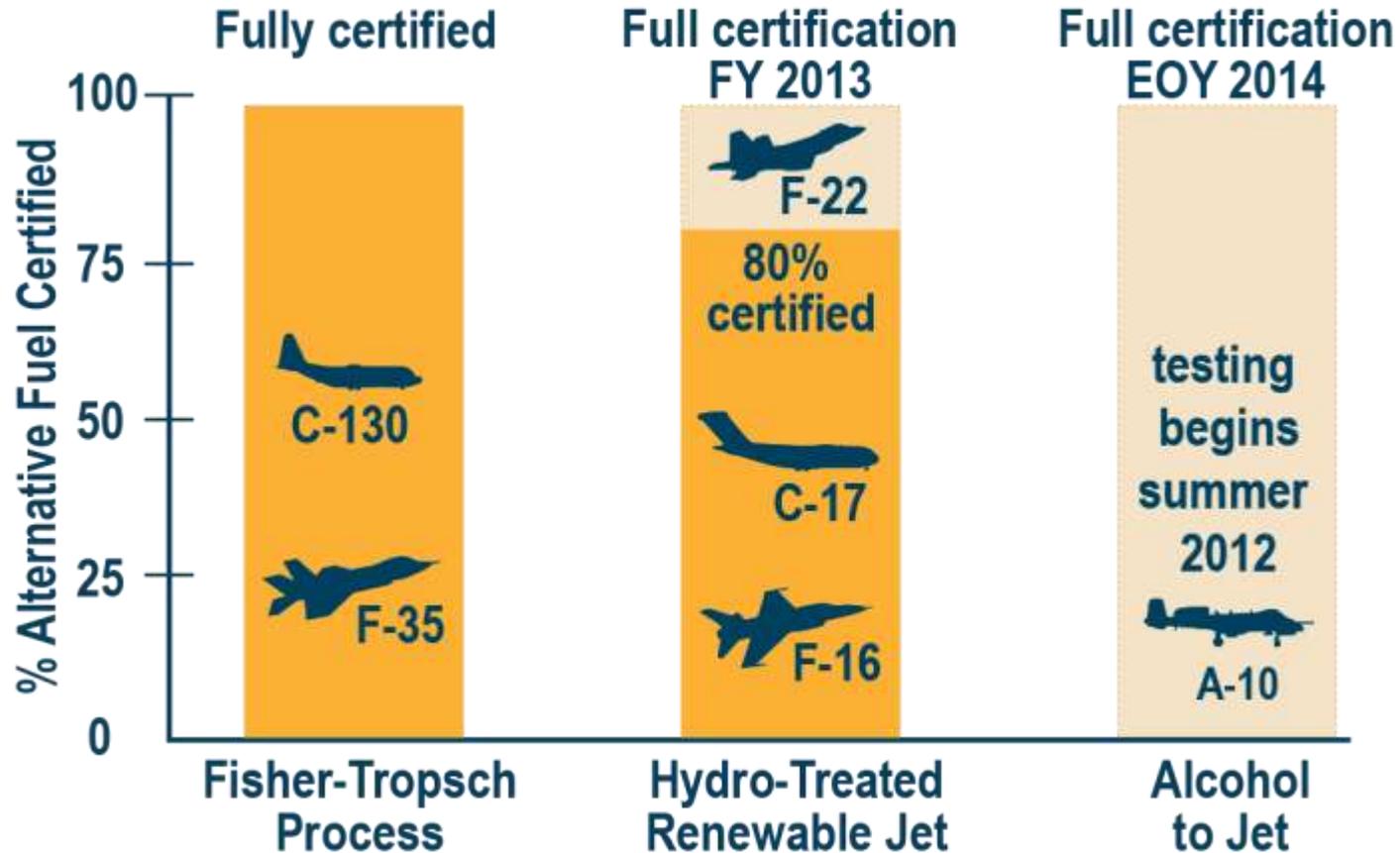
- Testing third ATJ fuel pathway
- 400M gals of alternative fuel by 2016





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Increase Supply Success Story – Alternative Fuels in Flight



Air Force will be a ready consumer by 2016



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Partnership – Aviation

Commercial Aviation Alternative Fuels Initiative (CAAIFI)

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



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Conclusion

“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



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