

I AM AIR FORCE ENERGY: Your Role in Achieving an Assured Energy Advantage in Air, Space and Cyberspace

Why is Energy Security Important?

- ↗ The Air Force spent \$9.7 billion on fuel and electricity in 2011—the equivalent of 12 CV-22s, 12 C-17s, 36 MQ-9 drones and 25 F-22 fighters.
- The price of fuel is volatile and beyond the Air Force's control—increasing the strain on limited budgets. Every dollar we don't spend on energy allows us to invest that dollar into a high quality and ready force.
- There are risks to being solely dependent on traditional energy supplies. Reducing consumption reduces that risk and improves resiliency in the event of natural disasters, accidents, or attack.
- Energy is a critical component of all Air Force operations. Using energy in a smart way enables our warfighters, expands our operational effectiveness, and enhances national security.

What is the Air Force Doing?

- Through research and development efforts, the Air Force is identifying new technologies in engines, aircraft design and other areas to provide greater support to the warfighter and enhance combat capability while reducing fuel consumption.
- **7** The Service is certifying its fleet to fly on three different alternative fuel blends.
- The Air Force has built 131 wind, solar and other renewable energy projects making it the second largest government purchaser of renewable energy.
- Through facility upgrades, more efficient processes and greater awareness of energy issues, the Service has reduced its energy intensity by 16% since 2003.

AIRMEN IN ENERGY

75th Logistics Readiness Squadron Fuels Management Flight

Power the Force. Fuel the Fight

I AM AIR FORCE FNERGY

- The 75th Logistics Readiness Squadron Management Flight team provides 13.7 million gallons of fuel to 12,000 vehicles and aircraft at Hill AFB.
- They established new procedures to fuel aircraft based on specific mission requirements rather than just filling tanks to capacity—saving \$15,000 in fuel costs.
- The team also trained all staff on refueling best practices— saving 5,200 gallons of fuel and \$100,000 in environmental remediation costs.

AIRMEN ACCOMPLISHMENT



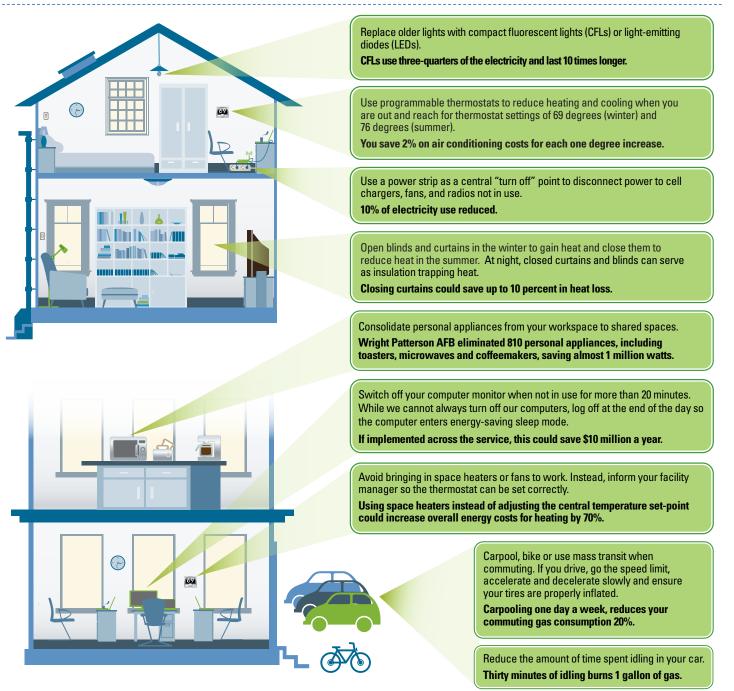
Thunderbirds Fly on Biofuels:

- On May 20, 2011, the Thunderbirds performed a full flight demonstration at Joint Base Andrews, Maryland on a 50/50 blend of JP 8 and biofuel derived from plant oils
- A st he first aerial demonstration that used biofuels, the aircraft showed no difference in performance from traditional petroleum fuel.
- The Thunderbirds flight demonstration was one of many "firsts" accomplished by Air Force in its testing and demonstration of the capabilities of alternative fuels. Other milestones included the first transcontinental flight, the first supersonic flight and the first aerial refueling using alternative fuel blends.

"Our Airmen are innovators. They have identified new policies, processes, and technologies to improve the ways we use energy. We will look to their continued creativity and focus on energy to obtain an assured energy advantage in air, space, and cyberspace."

— Secretary Michael Donley; National Clean Energy Summit August 7, 2012

DO YOUR PART







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