The mission of the United States Air Force is to deliver sovereign options for the defense of the United States of America and its global interests – to fly and fight in Air, Space, and Cyberspace.

We Exist to DOMINATE Air, Space and Cyberspace for America
The Air Force spent over $7 billion for energy in FY06

**AVIATION**
- Total Sorties: 333K in FY06
- Total Fleet Size: 5,984
- Total Fuel Used: 2.6B gallons
- Total Fuel Cost: $5.77B

**FACILITIES**
- Total Installations: 166
- Total Buildings: 16K
- Total Energy Used: 73M MMBTU
- Total Energy Costs: $1.1B

**VEHICLES**
- Total Fuel Used: 119.1M gallons
- Total Fuel Costs: $240M

Aviation fuel represented 81% of total energy costs.

Source: DESC FY06 Cost Data, AFTOC, Fuels Enterprise System & Defense Utility Reporting System, and VEMSO fuel reporting system
Global Oil Resource Map

OPEC Flows of Crude and Refined Oil, 2005

For too long our nation has been dependent on foreign oil.

- President George W. Bush, State of the Union, 23 January 2007

Sources: EIA World Natural Gas Reserves, BP Statistical Review Proven Oil Reserves, O&GJ Heavy Crude Reserves, US Geological Survey

Integrity - Service - Excellence
Vision: Make Energy A Consideration In All We Do

Strategy:
Reduce Demand
Increase Supply
Change the Culture
Air Force Energy Leadership

**SUPPLY**

- **Aviation**
  - By 2011, certify the entire AF Fleet to use a 50/50 synthetic fuel blend
  - By 2016, be prepared to obtain 50% of CONUS transportation fuels by 2016 from domestically produced synthetic fuel blends from domestic sources engaged in effective carbon capture and reuse
- **Ground Transportation**
  - ~5,200 flex fuel vehicles
  - Deployable hydrogen fueling station
- **Facilities**
  - AF is the federal govt’s largest green power purchaser
  - Building North America’s largest photovoltaic farm at Nellis AFB

**DEMAND**

- **Aviation**
  - Fuel efficient route planning
  - Reduce non-essential weight
  - Air Refueling Optimization
  - Fuel Efficient Ground Operations
- **Ground Transportation**
  - Replacing 30% of the fleet with low speed vehicles
  - Consistent MPG increase since 1999
- **Facilities**
  - Enhanced use of EULs
  - Robust sustainable design goals
  - Expanded energy audits

Integrity - Service - Excellence
• Aviation

• Infrastructure
  – Facilities
  – Ground Vehicles

• Science and Technology
Increase Supply

- Aviation
- Infrastructure
  - Facilities
  - Ground Vehicles
- Science and Technology
Change the Culture

- Leadership
- Training
- Curricula
- Communication

Integrity - Service - Excellence
My Challenge to You…

Recognize the relationships…

Think of the consequences…

Make Energy a Consideration in All We Do!

Integrity - Service - Excellence
Questions?