



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 Energy Managers?

- Energy Managers play a critical role in helping the Air Force reduce its more than \$9 Billion energy bill.
- As good stewards of taxpayer funds, energy professionals must do their part to increase savings while enhancing mission readiness.
- Energy experts are responsible for energy innovation and have the opportunity to drive unique solutions that increase energy security.
- Every watt of electricity we save through efficiency is one less we need to reconstitute in the event of a disruption in supply.

What is the Air Force Doing?

- Developing new and innovative methods of energy use. These have resulted in Air Force personnel receiving 29 Federal Energy Management Program (FEMP) awards from the Department of Energy in the last five years – more than all other Services combined.
- Installing meters, energy management control systems, occupancy sensors and lighting upgrades as well as other building recommissions and energy-efficient initiatives to reduce energy intensity 22.3% since 2003.
- Initiating trainings, on-base energy events and other engagement activities at 74 bases around the world as part of 2013 Energy Action Month, including 30 competitions to raise awareness of energy's impact to the mission and encourage Airmen to consider energy use in all they do.

AIRMEN IN ENERGY



**Capt. Reid Touchberry,
Energy Manager, Misawa AFB**

- Capt. Reid Touchberry transitioned Misawa AFB in Japan to a new lower level of energy usage following the March 2011 tsunami. Initiatives included:
 - Created the Base Energy Nerve Cell, a direct response to the tsunami recovery efforts, to restore power on the base.
 - Developed a long-term contingency plan to improve base resiliency through the ready activation of multiple source large-scale mobile generator sets.
 - Established a real-time indoor climate regulation policy that balanced individual comfort, energy conservation and operational needs.
 - His team's efforts saved 5.7 Million kilowatt hours and \$1.4 Million while ensuring the base was able to continue to support the mission.

FORCE ACCOMPLISHMENTS



- The Energy Team at Dyess AFB (pictured) installed 63,000 sq. ft. of ceramic beading on roofs and walls of facilities on base, and installed 2,600 occupancy sensors to monitor lights and temperature settings in 84 buildings. Their efforts were recognized with a FEMP award in 2012 for saving \$1.8 Million in FY2011 and additionally reducing greenhouse gases by 5,381 tons.
- USAFE Energy Manager Kelly Jaramillo coordinated a comprehensive MAJCOM-wide energy program across 10 bases, including 46 projects that are estimated to save more than \$5 Million a year. She actively engaged military families through training and education that resulted in a 25% reduction in electricity and 17% reduction in natural gas in the first quarter of FY2012.

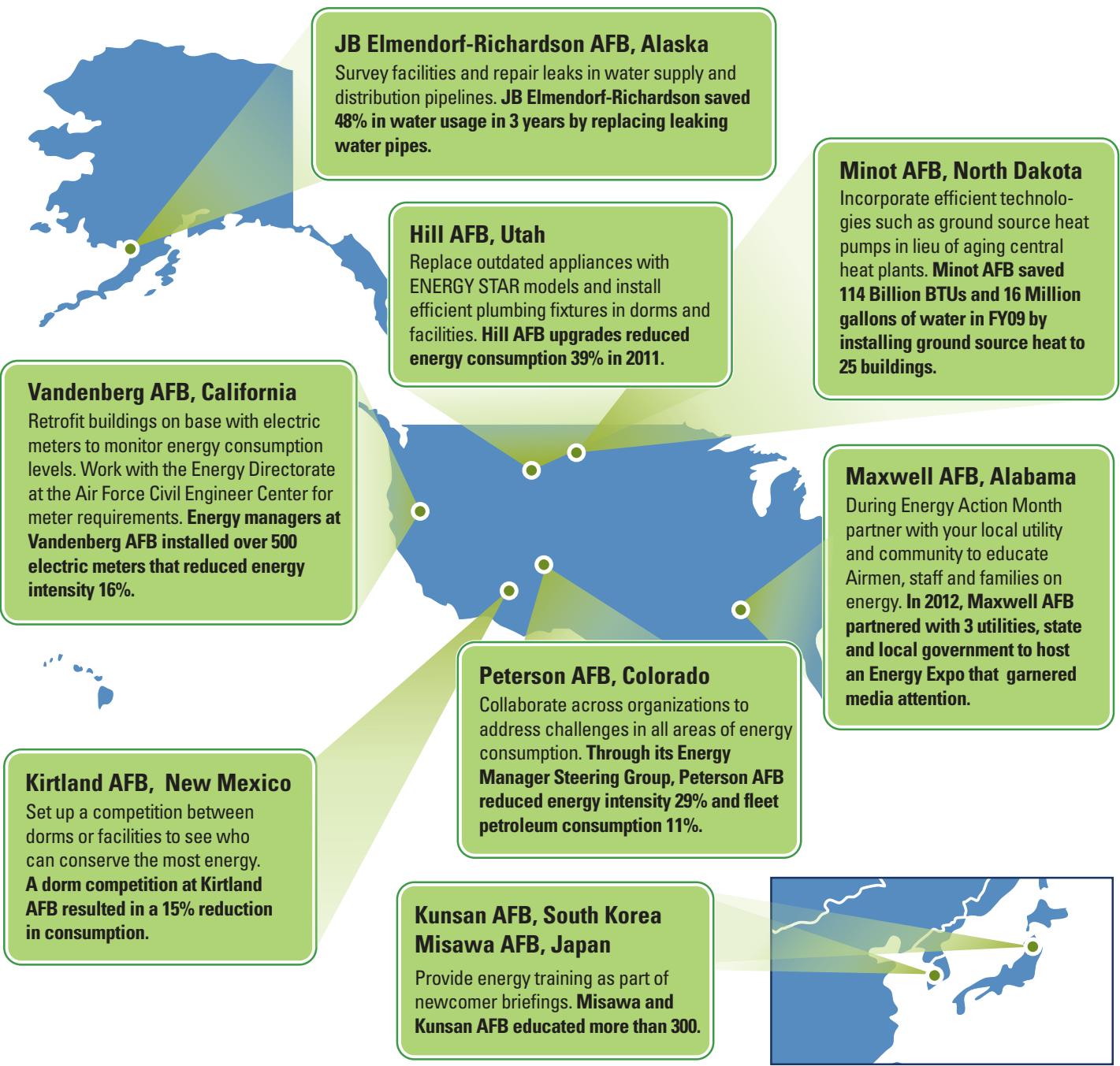
“Energy is a fundamental component of all Air Force operations. The smart use of energy means flying our aircraft farther, transporting more cargo and accomplishing our mission in a more efficient and effective way.”

Deborah Lee James
Secretary of the Air Force

Mark A. Welsh III
General, USAF; Chief of Staff

James A. Cody
Chief Master Sergeant of the Air Force

DO YOUR PART



To submit your energy idea, visit Airmen Powered by Innovation on the AF Portal