

# Prevailing Wind

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## Selfridge Family Day



Photos By MSgt. Terry Atwell,  
127th Wing Public Affairs



Selfridge Family Day took place in the Top 4 picnic area on Sept. 26, Selfridge Air National Guard Base, Mich., to celebrate military families and thank them for their support and sacrifice. The event was a joint family day celebration for all military members and their families. "It was great to see such a large turn out by all the different branches on the base; those who went had a lot of great things to say about the event, said Brig. Gen. Michael L. Peplinski, 127th Wing Commander. I would like to give a special thanks to Deb and the 127th Family Readiness team for all the hard work in setting this up."



# Commander's Column



**By Lt. Col. Mac Crawford**  
*127th Mission Support Group Commander*

Maybe it's the time of year with college football in full swing, but I have found myself thinking a lot about "Excellence" recently. Certainly, we have all heard the word "Excellence", and most of us know that it is one of our Air Force Core Values, but have you really ever put much thought into what it truly means, or moreover, what it truly entails to achieve excellence? Have you ever been a part of an organization that was steadfastly focused on excellence through unwavering commitment and long, arduous sweat actually achieved it. I know I have been a member of an organization that sought and achieved excellence and I would like to take a few moments to share my thoughts on this subject.

Let me start by saying I think most people use "Excellence" as a buzz word today, not as a guiding principle. This, I believe, is true in our Air Force and in the Air National Guard. Do we work hard and are we focused on the mission? Yes but, is it

accomplished in the pursuit of compliance or in the pursuit of excellence? You see, often times compliance is substituted for excellence, when in actuality it is an entirely different pursuit. We see this in the very inspection process we Air Force and Air National Guardsmen use to assess and document our success. So what is the difference? I believe compliance is meeting a standard and making the grade, while excellence means something more.

Often times, the standard is just that, a standard or normal expectation or result. Regularly achieving the standard, or even occasionally exceeding the standard takes additional effort and time, but usually only over the short haul. Once the standard is achieved, the organization typically cranks back their efforts and time to more normal levels until the recurring standard is once again fixed on the horizon. The organization then ramps up again to achieve the standard, which certainly allows the organization to be successful, but has the organization achieved excellence?

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## Chief Roy shares what's in store for enlisted force



**By Staff Sgt. Mareshah Haynes**  
*Defense Media Activity-San Antonio*

The chief master sergeant of the Air Force shared his perspective of where the enlisted force is heading during a presentation at the Air Force Association Air and Space Conference and Technology Exposition Sept. 15 at Oxon Hill, Md.

Some of the key points Chief Master Sgt. of the Air Force James Roy emphasized were Airmen's participation in the joint and coalition fight, deliberately developing Airmen and building resiliency among Airmen and their families.

"We're in this joint and coalition fight in a very serious way," Chief Roy said. "I think we're doing a good job in the joint mission, and we make excellent coalition partners."

With more than 220,000 total force Airmen deployed, forward stationed or employed by a combatant command, maintaining and acquiring their skills has become of one the senior enlisted leader's primary focuses.

Chief Roy said Air Force officials have been looking at ways to make combat skills training more efficient and effective for Airmen who deploy frequently and to the same locations.

Many Airmen are at a one-to-one dwell rate, meaning they're deployed for six months and home for six months, but with up to two months of training before deploying, they're actually having about four months at home at a time, Chief Roy said.

"One of the areas we're looking at is credentialing the training," he said. "That's something that we're going to have to really review, really study to get it right, because the last thing we want to do is send people into combat who don't have the right training. We've got to step into this with caution, but it's something we've got to look at because our Airmen are deploying at such a rapid rate."

Credentialing could allow Airmen to skip certain portions of frequently repeated training, letting them spend more time at home with their families during the reconstitution portion of the deployment cycle.

Equipment issues also are being re-evaluated to make sure Airmen have the proper gear to complete the mission including the Airman Battle System-Ground.

"The ABS-G is a set of flame-retardant gear that our Airmen are receiving, in the pattern in our ABUs ... for Airmen who operate 'outside the wire'," Chief Roy said. "Right now, today, we've got it about 90 percent fielded in Iraq. It looks like we'll have it 100 percent fielded in the next 60 days."

Another joint set of gear, with the Operation Enduring Freedom camouflage pattern, referred to as OCP, is ready to be fielded to Airmen in Afghanistan beginning this fall, Chief Roy said.

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The Official  
Newspaper  
of the 127th  
Wing

*A proud military organization characterized by excellence and integrity in the fulfillment of our duties to our nation, community and to one another.*

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## McKinley: National Guard is a national treasure

By Sgt. Darron Salzer  
*National Guard Bureau*

The National Guard is a national treasure that we need to preserve and protect, the Guard's senior officer told attendees here at the 2010 Air Force Association Air and Space Conference today.

"The dual mission of the National Guard, and its ability to combine and work with local, state and federal governments, makes us a force that I think is arguably a force that this nation cannot do without," said Air Force Gen. Craig McKinley, the chief of the National Guard Bureau.

The National Guard has always had a dual mission at home and abroad, but it is now also considered an operational reserve providing forces for missions in Iraq, Afghanistan, the Sinai, Haiti, the Horn of Africa and Kosovo.

"The citizens of the United States expect the full might of the armed forces to come to their aide in the event of a natural disaster, and the National Guard has been there every time," McKinley said.

Since Hurricane Andrew in 1992 and then

Katrina in 2005, the Guard has made rapid improvements to its response with local, state and federal governments.

"Our domestic mission is a piece of our fabric, it's a piece of our culture," he said.

McKinley also described the overseas missions the Guard has been a part of since the attacks in New York City on Sept. 11, 2001.

"The Army Guard has been involved in operations for the last nine years, while the Air Guard is going on nearly two decades," he said. "The Air Guard has been supporting the Air Force, and has been fully integrated into operations, such as Northern Watch and Southern Watch.

"Under great leadership, the Air Guard has been able to achieve this full integration with the active force and perform its missions in a very professional manner."

Currently, about 44,000 Soldiers and 10,000 Airmen are deployed in support of operations in Iraq and Afghanistan.

"Over the last 20 years, we've made some dramatic changes in the National Guard, changing from what the Guard use to be, to what it is today," McKinley said.

### Chief Roy cont.

A new development in enlisted training is that Airmen who attend some joint professional military education schools will be able to apply those credits toward their Air Force PME requirements.

"We have two Airmen, for the first time in about four years, that are going through the United States Army Sergeants Major Academy," the chief said.

He said they are looking at partner nation schools to see if Airmen who attend can get credit for the like-Air Force course "just like we've done in Canada and Singapore."

"We're going to give them full credit for the United States Air Force Senior NCO Academy," he said. "We've been doing that for many, many years in our officer corps, and it

has worked perfectly."

Other advancements in training Chief Roy highlighted are introducing combatives during basic military training and developing a single tracking system for on-the-job training documentation.

Lastly, the chief discussed building resiliency in Airmen and families, including programs to help prevent suicides.

"It cannot be just another program," Chief Roy said. "It's got to be heartfelt, and we've got to make sure our Airmen are given those tools before they need them. It's not before they deploy; it's right out of the chute, when they're in basic (military training) when they're in (technical) school. It's all the way through a person's career. We've got to continue to instill resiliency in our Airmen and our families."

# Lab Technician Helps Keep Wing Healthy

By TSgt. Dan Heaton  
127th Public Affairs

Surrounded by vials, test strips and clipboards, Staff Sgt. Curt Runey sits in the small lab facility in the back of the 127th Medical Group facility at Selfridge Air National Guard Base. Out front, scores of Airmen wait their turn to have their blood drawn or to provide a urine sample.

"I just love this job," says Runey, as he prepares a group of blood samples for testing. "I love microbiology, working with the people, working with the new equipment. I've just always been interested in it."

Runey is a medical lab technician who works as part of the team at Selfridge to ensure that local members of the Michigan Air National Guard are ready to answer the nation's call.

"We don't want to deploy anyone who isn't healthy and ready to contribute," said Major Steve Corl, a registered nurse who works with the medical group. "Drawing blood samples and performing related tests are an important part of that process."

In the lab at Selfridge, Runey is able to perform some of the required tests locally, other samples get sent to larger Air Force medical facilities at Brooks-City Base or Wright Patterson Air Force Base.

"Trust me," Runey says as he prepares another sample, "If there is something that needs to be addressed, we are going to catch it."

In addition to the routine testing done on all personnel on a periodic bases, the medical lab at Selfridge also collects DNA samples from all new enlistees or commissioned officers. The lab also performs a pregnancy test on female Airmen who are prepar-

ing to attend Basic Military Training at Lackland Air Force Base.

"When you think about all the logistics and scheduling involved to send a person to Basic, you don't want someone to get down there and discover an unexpected pregnancy," he said.

Runey is the sole medical lab technician in the Wing, although the Wing's enlisted medics are able to perform many of the same functions, Corl said.

"It takes a team effort to make this shop run," said the nurse.

All Air Force doctors and nurses are officers. Enlisted personnel serve in a variety of technician roles that might also be found in any civilian hospital.

Runey said customer service and quality assurance are the two primary skills a person needs to excel as a medical lab technician.

"The biggest thing is taking care of the patient sitting in the chair. He or she is the customer and we try to provide good customer service," he said. "Then you have to follow that up with the quality assurance, making sure the right sample is labeled with the person's name or other identification."

To be qualified to serve as a medical lab technician, Runey, who also served in the medical field on active duty in the U.S. Navy prior to joining the Michigan Air National Guard, spent a total of 14 months in training. After the initial school at Sheppard Air Force Base, he spent nine

months getting hands-on on-the-job training at Wright Patterson.

"It's just a very rewarding job," Runey said.

**"The biggest thing is taking care of the patient sitting in the chair"**

By SSgt. Curt Runey



Photo by TSgt. David Kujawa, 127th Public Affairs

**Staff Sgt. Curt Runey prepares a DNA sample kit working in the medical lab at Selfridge Air National Guard Base, Mich. Runey is a member of the 127th Medical Group, Michigan Air National Guard. The medical professions of the 127th Medical Group work to ensure that local Airmen are medically ready to deploy when needed to support worldwide operations..**

# Fuel conservation principles

By Lt. Col. Jim Rossi  
127th Air Refueling Group

## How to Save Fuel in an Aircraft that Burns 10,000 lbs of Fuel per Hour

The last time you flew on a KC-135 aircraft from Selfridge, were you able to sit in the comfortable airline first-class style seats? If you've flown on the tanker within the last year, the answer is probably "no." We rarely place these seats on the aircraft any longer. This may sound inconsiderate to the comfort concerns of our passengers, but the decision to remove them is actually rooted in the Air Refueling Group's efforts to conserve fuel. These cozy seats, typically referred to as the comfort pallet weigh a lot more than the web seats that replaced them and for each pound of excess weight removed across the fleet of Air Mobility Command aircraft, the Air Force saves over \$8,800 per year due to the increased efficiency of the aircraft engines.

The Fuel Conservation Program has received a great deal of attention in the last couple years and significantly affects the way we employ the KC-135. Here I s an overview of some of the steps that the air refueling community has taken to save taxpayer money and fuel so that those resources can be used in more appropriate places.

### Fly Higher, and Slow Down

Aircraft engines are much more efficient at higher altitudes. As you climb higher above the ground, the air becomes less dense, requiring less effort to propel the aircraft through it. Pilots and mission planners understand this, and on longer missions our typical cruising altitudes range between 37,000 and 41,000 feet. In the past, typical cruising altitudes were between 30,000 and 33,000.

Slowing the aircraft down to a given speed also improves fuel efficiency. There is a speed dependent upon the aircraft weight and altitude) that corresponds to the maximum distance for each pound of fuel burned. This is called the "Best Range Cruise" airspeed. This speed usually equates to .79 Mach, or 79% of the speed of sound. In the past aircrews generally flew faster than this speed in an effort to get to our destination quicker. This is no longer the case, and has resulted in significantly improved fuel efficiency.

### Limit Fuel Quantity on Missions

As you may or may not know, to carry additional weight on aircraft costs extra fuel. This is true even if the extra weight is the fuel itself. Not very long ago, more than 30 percent of AMC's flights departed with an average of 12,000 lbs of extra fuel. This cost taxpayers more than \$13 million annually in fuel burned just to carry the extra fuel.

Fuel conservation principles have required planners and aircrew to get more comfortable with lower final landing fuel reserves. This requires a greater understanding of our contingency options (i.e. where is the closest airport available if our intended landing airport becomes unavailable—and more importantly, how much fuel will it take to get there?) It also requires a more detailed understanding of fuel burn rates for differing flight conditions. The past practice of adding an extra 5,000 lbs of fuel on the jet for "mom and the kids" is just that, a past practice.

### Reduce the Weight of the Aircraft

Parachutes, comfort pallets and cargo rollers all weigh a significant amount when you consider the fact that there are hundreds of KC-135s in the fleet that fly thousands of hours per year.

### Train in Simulators

All AMC pilots are required to attend simulator training each year. This is where we practice emergency procedures that cannot or should not be done in the aircraft. In addition, we accomplish dozens of training events that subsequently do not need to be accomplished in the actual aircraft. Over the past five years the Air Force has added scores of training events to our list of eligible simulator events so that we can get quality training and instruction, and so that we require less real aircraft training sorties. Fewer sorties equates to less fuel burned across that fleet.

### Change the Culture

If you were to listen to a KC-135 pre-flight aircrew briefing, you would hear a discussion of fuel conservation practices after every sortie. This is a Special Interest item across the AMC fleet. The civilian air carrier industry has understood for decades that improved fuel conservation improves their bottom line profits. The AMC mentality is rapidly moving toward the understanding that in a Defense Department fighting two wars, saving fuel is a critical endeavor that allows precious resources to get closer to the battle.

# Selfridge Base Recycling Program



Photos by Mark Pausche, 127th Environmental Office

One way the Selfridge community can realize energy savings is through the base recycling program. For example, base personnel have teamed up to recycle over 44,000 pounds of paper and cardboard in 2009. To recycle this material into usable product takes approximately 117,000 less kW-hr of electricity and 200,000 less gallons of water than to create the same material using virgin products. The scrap metal generated at Selfridge also translates to energy savings. Recycling scrap steel saves 74 percent of the energy required to produce it from virgin materials.

Recycling scrap aluminum saves 95 percent. So far in 2010 Selfridge has recycled almost 45 tons of scrap steel and aluminum with proceeds going to the base's recycling and MWR funds.

Contact the CE Environmental office at 586-239-6273 for more information, or to set up a recycling program in your work area.

## Chaplain Chief: 107,000 Reasons to Serve

By TSgt. Dan Heaton  
127th Public Affairs

Les Hyder has 107,000 reasons to serve in the Air National Guard.

Chaplain (Col.) Hyder serves as the director of the ANG's chaplain corps, overseeing the approximately 300 chaplains and 300 chaplain assistants who serve in the ANG. But it isn't just the chaplains and their assistants that Hyder feels a responsibility for. "Our 107,000 Airmen in the Guard and their families have really stepped up, particularly over the last decade or so. And I believe that our chaplains are making a big, big difference in their lives," Hyder said during a recent visit to the 127th Wing, Selfridge Air National Guard Base.

Hyder was invited to visit by the Wing chaplains to attend the base's Family Day activities during the September Unit Training Assembly. Hyder said he also wanted to get a first-hand look at the operations of the Selfridge Base Chapel, which is unique in the Air National Guard in that it is run by a civilian ministry group and is the only chapel that is part of a Guard Wing. Hyder, who previously served as a chaplain in the California Air National Guard, has served as the director of the ANG chaplain corps for about two years. He reported during his visit at Selfridge that the Guard's chaplain corps is now at approximately 100 percent of national manpower requirements, up from as low as 82 percent just a few years ago.

"There are a few openings here and there, but we have

worked hard to recruit quality chaplains into our service," he said.

Hyder also: Said in the first 30 days of a new suicide prevention outreach program operated by the chaplain corps, there were no reported suicides in the ANG. "It is hard to quantify it exactly, but I firmly believe that this program has saved some lives because of the intervention of our chaplains and chaplain assistants," he said.

Reported that the ANG will increase spending from \$2.5 million last year to \$4 million in Fiscal Year 2011 to support the Strong Bonds program, which provides retreats and related programs designed at strengthening marriages and other family bonds, which can be strained by deployments and other military duties.

In addition to the long-standing motto of "Always Ready, Always There" that has applied to the ANG for years, Hyder said he adds a third component for the chaplain corps: "Always a Servant."

"A chaplain who has a true servant's heart will love the people and the people will love them. That's when true ministry can be done. If you come into this work without a true servant's heart, you won't last long," he said.

With more than 33 years of uniformed service, Hyder said he feels a call to continue to serve.

"If you ride one C-17 rotator back with me from Iraq to Germany with some of our wounded people, that will change your life forever. That's what keeps you going," Hyder said

## Promotions

### Senior Airman

Kyle J Emelander, 127 AMX  
 Natasha Gieraltowski, 127OG  
 Darin P Hostetler, 127 AMX  
 Robert L Lynch, 127 AMX  
 Timothy J Reid, 127 AMX  
 Christopher Rogers, 191 MXS

### Staff Sergeant

Jeffrey L Beavers, 127 MXS  
 Eric R Bowles, 127 MOF  
 Wai Y Choi, 127 MXS  
 Brandon A Cook, 127 AMX  
 Amy T Grinvalsky, 107 FS  
 Jason M Majewski, 127 MXS  
 Joseph W Peelish, 127 LRS  
 James R Pelkey, 191 MOF

Dustin W Prytula, 191 MXS  
 Brian S Reusser, 191 MOF

### Technical Sergeant

Thomas A Curtis, 127 MXS  
 Jason L Jordan, 127 SFS  
 Michael Merkerson, 127 AMX  
 Jesse L Powell, 127 MXS  
 Peter C Watson, 127 CES  
 Jioshia J Wessel, 127 MXG  
 Stanley I Wilson, 127 AMX

### Master Sergeant

Richard A. Freeburg, 127 MXS  
 Kurt P Brunzman III, 127 CES  
 Brian P Goodhue, 127 MXG  
 Kyle J Kilbourn, 127 MXG

**Senior Master Sergeant**  
 Benjamin D. Noble, 127 MXS

## Newcomers

Chandler A. Aalena  
 Nelson D Church  
 Stephen S Clanssen  
 Brandon Durst  
 Jmaes Foster  
 Frank Grebendk  
 Mitchell Groh  
 Steven Hewitt  
 David Mansfield  
 Christopher Muller  
 Albert Myers  
 Michael T Owen Sr  
 Matthew Wheeler

# Briefly ...

### Want to Do More?

On Serve.gov, you can find opportunities to support and engage servicemembers and their families. From organizing a care package event to volunteering at a camp for military children, there are a number of key ways to get involved. Everyday our brave men and women in uniform make a selfless commitment to our nation. Now, it's our turn to take some time to serve those that have served us. Get started on Serve.gov [www.serve.gov/militaryfamilies.asp](http://www.serve.gov/militaryfamilies.asp)

### Employment Partnership Program

Get hired through the employer partnership program. The employer partnership office caters to all branches of the armed forces. You are invited to search through the employment search engine at [www.jobcentral.org/vetcentral/army-reserve-employer-program](http://www.jobcentral.org/vetcentral/army-reserve-employer-program).

So take a look and look for numerous great opportunities that may be out there for you.

### Vehicle Donation

Looking to get rid of a vehicle? Why not donate a vehicle to another military family that needs one. If you are in a position to donate a reliable vehicle that is not needed contact the Family Support Center and they will help you to find someone that may need a vehicle. 586-239-5583.

### 2011 UTA Schedule

Jan 8/9	Feb 12/13
Mar 12/13	Apr 9/10
May 21/22	Jun 4/5
July 16/17	Aug 13/14
Sep 10/11	Oct 22/23
Nov 5/6	Dec 3/4

### Pass and ID Hours

The hours of operations are from Tues. - Fri., 8 a.m. - 3 p.m.

Appointments are not necessary. Call for more Info at 586-239-5161

### Transition Assistance Program

There will be a Transition Assistance Program (TAP) workshop on Oct. 5-8 and Dec. 7-10 at the Selfridge Air National Guard Base in building 105. The workshop will include 10 steps to a federal job. For more information call 586-282-0489.



## Commanders Cont.

I don't think so. If we garnish an "Excellent" on the upcoming Headquarters AMC NORI/ORI, have we achieved excellence as a Group or Wing? Again, I do not think so. Excellence is only achieved by greatly exceeding the standard for a prolonged and sustained period of time.

I was fortunate enough at a young age to be involved with an organization that routinely sought and achieved excellence. As a football player at Centerville High School, Ohio, I learned first off what it meant to pursue excellence every day and every year. I learned that only through sacrifice and by paying the price each and every day, during the season and in the off-season, giving 110 percent in practice and during the games, could excel-

lence be achieved. I learned this from a head football coach, cast in the mold of the great Vince Lombardi, who demanded it from himself, his coaches, his players, and our program. We believed in "Elk Pride", and we collectively and completely committed ourselves to a standard of excellence.

For me, this particular pursuit lasted four years. For our head coach it lasted from his first year of coaching until the day he retired as the 2nd highest winning Head Football Coach in Ohio state high school football history. To our Centerville Elks football program, it is never-ending. Currently, Centerville High School is rated 51 in the rivals top 100 high school football teams in the country., but it is not the team's current record or standing that is their legacy. The program's legacy is in its history of sustained superior performance. It is this legacy that confirms the achievement of excellence.

Over the past 32 years the program has built a tradition of winning matched by few. Centerville has won 268 games, with a 78 percent winning percentage in the past 32 years, while winning 19 conference championships. In this same time span, the team has reached the regional level of the state playoffs eight times, and were state runners-up in 1991. In 1986, the Elks finished the season ranked number one in the state of Ohio. Centerville football players have received many honors over the years. Included in these award recipients have been 41 All-Ohio Players and the 1986 Gatorade Midwest player of the Year in Kirk Herbstreit. Numerous Elk players have gone on to very successful college football careers at all levels, including 57 NCAA Division 1 players. Five former Elks reached the ultimate level of football, the National Football League. Dave Preston played with the Denver Broncos, Dave Morrill played with the Cleveland

Browns, Andy Harmon had an outstanding career with the Philadelphia Eagles, Mike Nugent (2004 Lou Groza Award Winner) is currently playing with the Cincinnati Bengals, and A.J. Hawk (2005 Lombardi Award Winner) is currently playing with the Green Bay Packers.

Furthermore, excellence is clear in the published Elks Football Philosophy, which states: football is a tremendous educational opportunity for any young person as he or she prepares to embark on today's world. It is a vehicle which teaches the values of hard work, self-discipline, perseverance, mental toughness, and the importance of believing in one's self. Our program strives to provide for all young people the opportunity to develop these qualities and maintain them as permanent parts of their makeup. Expectations for those involved with Centerville Football are high, as we realize that it is human nature for competitive

**“Excellence is only achieved by greatly exceeding the standard for a prolonged and sustained period of time”**

**By Lt. Col Mac Crawford**



people to rise up or live down to stated expectations. As a result we feel that all young people within our program will learn to set goals for themselves well above the ordinary. By expecting performance well above the norm, consequently reaching goals which previously seemed unattainable, we feel a great deal of self-confidence will be developed by our players. This acquired attitude of expecting excellence of themselves at all times will assist them greatly as they go on to achieve their dreams beyond high school.

Though I no longer play football at the competitive level, the lessons I learned as a member of an organization that routinely sought and achieved excel-

lence have carried on with me for all of my life. Today, I am a member of a proud 127<sup>th</sup> Wing organization with a rich history. Unfortunately, our Wing has not always pursued excellence with the diligence and unwavering commitment that it should. It is important going forward that each of us recognize we are charged with creating and sustaining a standard of excellence within our sections, flights, squadrons, groups and Wing. Only through collective sacrifice and 110 percent effort employed over the long haul, will we be able to firmly establish the legacy of an organization that has truly pursued and achieved "Excellence".



### In the Pentagon

Sharon Burke, the Pentagon's first Director of Operational Plans and Programs, sees her job as focusing on three main areas:

- Shrinking energy needs in current operations
- Better incorporating fuel efficiency criteria into decisions about what equipment to buy, and
- Factoring energy into DOD's overall warfighter fabric

In a recent interview, Ms. Burke said that DOD's energy landscape is changing... "What is new is how energy-intense our military is, and the kinds of wars we are in where we are not always going to be behind our front lines. The lines are everywhere."



## Energy Security...what is it really?

By Scott Pogue, CEM HQ AFSOC/A7PO

The paradigm of "energy security" is being expanded to include many new factors. It is also being recognized that energy security does not stand by itself, but is an integral piece of the larger relations among nations and how they interact with each other.

Longer term measures to increase "energy security" seem to focus on several different areas:

- Reducing dependence on any one source of imported energy
- Increasing the number of suppliers
- Making beneficial use of native fossil fuels or renewable energy resources
- Reducing overall demand through energy conservation measures
- Entering into agreements to support international energy trading relationships

### How can we help?

Energy security, however, may be a misleading term when it applies to individuals doing their jobs in the Air Force. The reason for this is because, individually, we can really only address one of these long term areas of concern - Reducing overall demand through energy conservation measures.

### Focus on Local Issues

But shorter term, there are many other things we can do to insure that there is a "sustainable energy" supply at our installations. Some of these range from solid physical and cyber security protections to making sure that mission-critical activities are supported in times of emergency. This includes the evaluation of all options for mission assurance to include mission redundancy, mission relocation/mobility and on-site redundant or

backup utility support systems. This includes hardening our electrical/utility supply and distribution systems as well as the management of energy demand during critical events.

### What about renewables?

Renewable energy sources and technologies will play a big role in the Air Force's energy future, and help increase the diversity of supply. But, as important as renewable energy is, it is usually very expensive to build and is almost always intermittent in its energy production. This means that renewable energy sources cannot always be relied upon during times of emergency or external threat to serve our mission-critical needs.

A continued focus on energy conservation and individual responsibility will help achieve AFSOC's sustainability goals.



**MAKE ENERGY A CONSIDERATION IN ALL WE DO!**



