



In Brief

Smooth Move Workshop

The Airmen and Family Readiness Flight is scheduled to host the Smooth Move Workshop from 9 a.m. to noon May 16 at the Airmen and Family Readiness Center, Bldg. 743.

The Smooth Move Workshop is designed to provide information and assist in upcoming permanent change of station moves for military members, civilians and their families.

For more information and to make reservations, call 283-4204.

Finance Office

The Finance Office will be closed May 17 from noon until close of business for an official function.

Memorial Day hours for BX

AAFES hours for the Memorial Day holiday, May 28 are:

- Main Store, 10 a.m. to 5 p.m.
- Shoal Point Shoppette, 11 a.m. to 6 p.m.
- Class Six Shoppette, 10 a.m. to 5 p.m.
- Felix Lake Shoppette, 6 a.m. to 9 p.m.
- Anthony's Pizza, 11 a.m. to 4 p.m.
- GNC, 10 a.m. to 4:30 p.m.

All other AAFES facilities will be closed May 28.

Check out

- "Tyndall News" for new information about team Tyndall

Tyndall 'goes green' with solar energy

AIRMAN 1ST CLASS
ANTHONY J. HYATT
325TH FIGHTER WING PUBLIC AFFAIRS

Conventional power has kept Tyndall running for years, but now alternative sources, such as solar energy from the sun, are being incorporated base-wide.

The 325th Civil Engineer Squadron completed one of their renewable energy projects this week.

"The systems installed are a little unique and have not been used at other Air Force bases," said Gilbert Walker, 325th CES energy and utilities manager.

Three concentrated solar-collection systems were installed throughout the week to heat water in base facilities.

An eight-foot dish was installed at the base gym, and two four-foot dishes were installed; one at Building 209, and the other at the Air Force Research Laboratory.

"The system has been available for nearly 30 years," said Mr. Walker. "But no other bases are using this technology yet."

This project was done under an Energy Saving Performance Contract with the Honeywell Co. The ESPC is a Department of Energy contracting vehicle used by the federal government for projects that help reduce energy and assist in the purchase of renewable energy systems.

Savings generated by the reduction of energy and water cost is used to pay for the contract from the utility budget.

The 325th CES has been developing this project since 2005, said Mr. Walker.

The Presidential Energy and Water Conservation Executive Order signed Jan. 24 sets the use of renewable energy goal to 7.5 percent by 2013 for DoD facilities.

All Air Force bases have implemented or purchased some form of renewable



Dan Guerry

Members from Honeywell Corporations work to install the new solar collecting dish beside the Tyndall Fitness Center Tuesday. A total of three dishes have already been installed around the base.

energy system whether it is wind, solar or geothermal.

How will Tyndall's system work?

The system tracks the sun and the dish concentrates the solar energy onto a collector. The collector has a coil of copper tubing. Water is cycled through the tubing, and it is heated. The water is then used in facilities by occupants. The system supplements the hot water heater currently used in the facilities.

"These systems are one-third the cost and produce about three times the amount of energy per square foot of existing solar hot water panels. If purchased and installed by a homeowner, the payback for the system is five to seven years. Afterward, the energy is free," said Mr. Walker.

"The DOE EPSC has considerable overhead costs so the payback period is considerably longer for our project," said Mr. Walker.

Because of Tyndall's location, the only two means of renewable energy technology are geothermal and solar.

"This project will help the base review this technology for future projects, and increase public awareness on the use of renewable energy technology," said Mr. Walker.

The environmental impact of the EPSC project helps reduce 9,827,415 pounds per year of carbon dioxide, 88 pounds per year of mercury, and a reduction in carbon monoxide, methane, nitrogen oxides, and more than 2,152,259 pounds per year of solid waste, according to Mr. Walker.

The system on Tyndall has a total global warming reduction potential of 10,497,144 pounds per year, and saves 1,340 acres of forest annually, said Mr. Walker.

The DOE's slogan of the year is to "Think globally and act locally, make the clear energy choice every day and

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Checkertail Salute

Staff Sgt. Gary Hutcheson



2nd Lt. Patrick Casey

Sergeant Gary Hutcheson, 325th Communication Squadron, received the Checkertail Salute Warrior of the Week award from Brig. Gen. Tod D. Wolters, 325th Fighter Wing commander.

Sergeant Hutcheson led cryptographic support for the recent AETC Commanders/Command Chiefs Conference at here. He also skillfully fulfilled the duties of a Senior NCO by ensuring the mission, personnel and aircraft generation were successfully completed.

- Duty title:** Communication security account NCO in charge
- Hometown:** Piedmont, Ala.
- Time on station:** One year, eight months
- Time in service:** Eight years, two months
- Hobbies:** Spending time with my family, working on cars and going to the race track
- Goals:** Earn my bachelor's degree in the next two years and become a commissioned officer
- Favorite thing about Tyndall AFB:** Being close to my family
- Favorite movie:** "Supertroopers"
- Proudest moment in the military:** Being named Maintenance Professional of the Year 2004 in Aviano, Italy

The Checkertail Salute is a 325th Fighter Wing commander program designed to recognize Tyndall's Warrior of the Week. Supervisors can nominate individuals via their squadron and group commanders. Award recipients receive a certificate, letter from the commander and a one-day pass.

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save some (energy) for all of us.”

Everyone benefits by reducing energy consumption. It helps reduce the soaring energy costs we experience today.

The sun will continue to burn for years, so the transition to solar energy may prove to be the best choice economically and environmentally for Tyndall.



Dan Guerry

A four-foot solar collecting dish stands completed near Bldg. 209.



Identify this ...

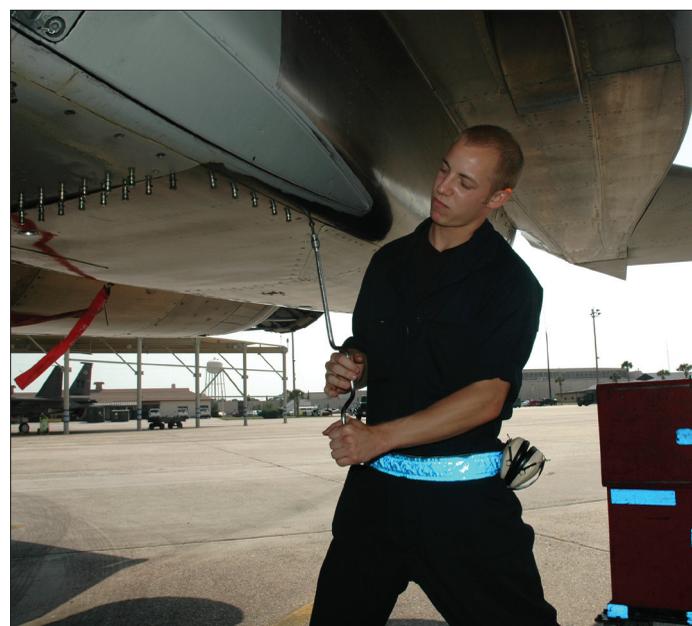
Can you identify this object? If so, send an e-mail to editor@tyndall.af.mil with "Identify this" in the subject line.

Three correct entries will be chosen at random and drawn from a hat to determine the final winner. The prize can be claimed at the Public Affairs office.

No one correctly identified the May 7 "Identify This." Since it was so difficult, we may run it in a future issue of the *Web Defender*.



FOD Preventer of the Month



Airman Glenn Moore

Staff Sgt. Andrew Whitehead, 325th Aircraft Maintenance Squadron aerospace propulsion craftsman, drops a panel on an F-15 to perform maintenance. Sergeant Whitehead was the FOD Preventer for the month of April. He won the award by finding a bent blade on an F-15 engine.