



US ARMY GARRISON ANSBACH, DPW ENVIRONMENTAL MANAGEMENT DIVISION (EMD)

Environmental News

VOLUME 5, ISSUE 5

OCTOBER 2016

EMS

POLLUTION PREVENTION

OUR EMS GOALS FOR THIS YEAR

1. Reduce Energy Consumption by 2.5%
2. Reduce Waster Consumption by 2%
3. Implement a Green Procurement Program

INSIDE THIS ISSUE:

- National Energy Awareness Month 1
- Effective and Safe Heating 2
- Comparison of Energy and Water Consumption at USAG Ansbach 2
- Palm oil in sweets endangers Orangutans 2

SPECIAL POINTS OF INTERESTS:

New Environmental Officer (EO) Training Link:
<http://tti.na.amec.com/IMCOM/login.asp>

Visit our share portal:
<https://home.army.mil/sites/eur/Ger/Ans/dpw/Environmental/default.aspx>

National Energy Awareness Month

The White House declared October as the National Energy Awareness Month. This national effort is to underscore how central energy is to the national prosperity, security, and environmental well-being. Senior administration officials across the federal government will be highlighting the work they are doing to position the country for a sustainable future, create new clean energy jobs and lay the foundation for our long-term economic security (<https://www.whitehouse.gov/issues/national-energy-awareness-month>).

The U.S. Department of Energy is featuring some effective ways to save energy at home.

- As cooler weather lurks around the corner, tune in to Energy.gov all month long for ways to save energy and money.
- It has long been said that on All Hallows' Eve the boundary between the living world and dead things, allowing spirits to run free. Whether you believe in paranormal activity or not, this Halloween don't let your energy consumption give you a scare.
- Save money on lighting costs with energy-efficient light bulbs. With traditional incandescent bulbs, about 90 percent of energy used is given off as heat. By replacing 15 inefficient incandescent bulbs with energy-saving lights, you can save up to \$50 per year. Besides, non-energy-efficient

incandescent bulbs have not been available in Germany since 2009.

- Achieve water savings of 25 to 60 percent by installing low-flow fixtures. Learn how to determine if you should replace your fixtures, and be sure your faucets are equipped with an aerator to help restrict the flow of water.
- Watch out for phantom loads haunting your energy bill. Phantom loads refer to the energy that appliances draw when they are in standby mode. They cost the average U.S. household \$100 per year. Make phantom loads disappear by unplugging electronics and battery chargers when not in use.

This Halloween, protect yourself from evil spirits waiting to torment you - and rising energy bills - with these energy efficiency tips. After all, saving energy and money is a treat you can enjoy all year long.

By Anette Gross

Source: <http://energy.gov/articles/national-energy-awareness-month>

The Best Tool to Save Energy is You!



Just a small reminder!
 In addition to the Environmental Performance Assessment System (EPAAS) FY16 audit **Finding Owners, please, accomplish your Corrective Actions!**

Upcoming Events Halloween



October 31th 2016

Thanksgiving



November 24th 2016

An Invitation from our new Environmental Chief Ms. Lynn Daniels



Are you passionate about our planet, our environment, and conservation of our natural resources? Join the DPW Cross Functional Team and join others like yourself! Come help us make a difference! You can contact me at DSN 467-3422 or drop by (Bismarck Bldg. 5843B).

Effective and Safe Heating by Juan Murillo



With the cold weather just a month or two away we ask you to please be cognizant of the garrison policy on space heaters. Space heaters are strictly prohibited within all OMA & AFH areas unless authorized in writing by the GC. Follow these simple instructions to use the existing heating systems properly and more efficient.

1. While windows are open for aeration, heat/radiator valves should be turned off. Close windows after a maximum of 5 minutes.
2. Promptly report all broken or leaking windows and doors and malfunctioning heating systems to DPW.

3. Keep humidifiers properly filled for optimal space comfort. Humidifiers are available at the SHIP stores.
4. Don't overheat rooms.
5. Don't block radiators with curtains.
6. Don't use range tops or ovens for space heating - this constitutes a fire hazard and is strictly forbidden.

Besides not being authorized, space heaters consume large amounts of electricity. The following table provides a view of the cost to operate

#Hrs heater operates	Cost
4 hrs/day	\$ 18.00
6 hrs/day	\$ 27.00
8 hrs/day	\$ 36.00
24 hrs/day	\$ 108.00

Based on:

one heater operated
0.15 cents/kWh
1500 Watt heater

one space heater for five days a week for one month.

Please follow these simple steps to keep your family safe and comfortable and at the same time be a good steward of our environment during this winter season.

Comparison of Energy and Water Consumption at USAG Ansbach 2015 - 2016

Heat [MBTU]		
FY 15	FY 16	Reduction
213,553	179,359	16.0%
\$7,637,204	\$5,710,156	25.2%

Water [Gal]		
FY 15	FY 16	Reduction
113,948,201	90,978,642	20.2%
\$2,066,531	\$1,778,675	13.9%

Electric [MBTU]		
FY 15	FY 16	Reduction
118,596	88,035	25.8%
\$5,522,161	\$3,697,116	33.0%

Missing: September readings

Green Corner: Palm Oil in sweets endangers Orangutans

by Anette Gross



Palm oil is one of the most important vegetable oils and is used as an ingredient in many food products, such as sweets, all over the world. Palm oil is extracted from the fruit of the oil palm, which is cultivated mostly in large plantations, where you find only a single species growing (monocultures). The extraction and use of palm oil is frequently criticized, because it contributes to rain forest deforestation and the destruction of retreat areas for endangered species, such as Orangutans. Approximately 85% of the global palm oil production comes from Indonesia and Malaysia, the home of the Orangutans. A significant area of their natural habitat has already been destroyed. Orangutans have become a critically endangered species. Since 2004, an industry group called the Roundtable on Sustainable Palm Oil (RSPO) is working on reducing the negative impacts of an extensive palm oil production and has established international standards for a sustainable production.

What can you do?

- Avoid palm oil containing food - read the ingredients list. Sometimes palm oil is listed as vegetable fats and oils. That can make palm oil difficult to identify.
- Buy (organic) sweets containing sustainably produced palm oil that is certified by one of the following: the RSPO, the Rainforest Alliance (RA), the International Sustainability and Carbon Certification (ISCC PLUS), or the Roundtable on Sustainable Biomaterials (RSB).
- Make your own sweets.
- However, don't throw away leftover - sweets containing palm oil that had been expensively produced and transported around the globe.

