



Energy Newsletter
Indiana National Guard
INARNG Construction and
Facilities Management Office

Points of interest:

- > Monitoring Checklist
- > TAG Energy Memorandum
- > New Energy Quarterly Newsletter announcement
- > Request for Energy-conscious nominees

“Through sound energy management practices the INARNG is committed to reducing our consumption of electricity, natural gas and water.”

-R. Martin Umbarger
Major General, INNG

Earth Day at INARNG

It seems like it is finally safe to say that the lingering snow has melted



and our winter clothing can be moved to storage. A month after the start of spring, Earth Day is an ideal day to bring your attention to energy conservation efforts just in time for the warmer weather.

Before you know it, it will be time to cool down your building to escape stifling heat. Moving into these warmer months, it is essential that all revisit the recently released TAG Energy Memo. This document is designed to help all facilities in their compliance with federal mandates of energy and utility use. By standardizing regulations across facilities, everyone is responsible for contributing their full efforts to achieve the following goals:

- 25% of total energy use must be renewable electrical energy use by 2025
- 5% decrease in utility (electricity, water, fossil fuels) use and cost during FY14
- 16% decrease by 2015 of water consumption intensity (in gallons per square foot)*
- Fossil fuel reduction of 30% in existing buildings by 2015**
- Fossil fuel reduction of 65% in new buildings by 2015, 80% by 2020, and 100% by 2030 **

* Compared to 2007 levels

** Compared to 2003 levels

Building Energy Monitor (BEM) Checklist

<p>✓ Each BEM ensures items on the list are accounted for</p> <p>✓ Don't know who your BEM is? Ask your Armory Manager!</p>	A. Lighting		D. Heating & Cooling	
	1. Lights in use when daylight is sufficient.		1. Doors not closed between conditioned and unconditioned rooms.	
	2. Lights left on in unoccupied areas.		2. Windows or doors left open during heating season or if air conditioned.	
	3. Exterior lights left on during daytime		3. Personal heater in use.	
	4. Light bulb with excessive wattage / incandescent bulbs in use.		4. Air conditioner running after hours.	
	5. Light level too high in corridors, stairwells, work area, exterior area, etc.		5. Room temperatures too high (>69F/20.5C) during winter time heating season.	
	6. Light requirements not fulfilled (e.g. dirty lamps, broken lights).		6. Room temperatures too low (<78F/25.63C) during summer time, if air conditioned.	
	7. Use high – efficiency fluorescent lighting (T8 or T5 bulb).		7. Heating unoccupied areas too high (>55F/12.8C) or for A/C (<85F/29.4C).	
	B. Electrical Equipment		8. Air vents not working properly (e.g. obstructed, dirty).	
	1. Equipment is left running when not in use (e.g. computer, monitors, printers).		9. Thermostats damaged/broken.	
2. Vending machine lights on after work hours.		10. Clean fan coil/filter dirty.		
3. Unplug unused electronic appliances.		E. Building		
C. Water		1. Broken windows/doors.		
1. Leaky faucets.		2. Misaligned exterior doors (Not closing tightly).		
2. Excessive flow rates.		3. Cracked caulking / defective or missing weather stripping around windows, doors.		
3. Hot water temperature at destination too high (>110F/43C).				

"A nation that can't control its energy sources can't control its future."

- President Barack Obama



"Here in Indiana, we make things, and we grow things. These activities require enormous amounts of energy. In order to maintain our historic advantage for low cost of energy, we need a new, updated energy plan."

- Governor Mike Pence



"The next several months will not be easy; however, I am confident that this organization will rise up and overcome this challenge just like it has so many times before."

**- R. Martin Umbarger
Major General, INNG**



TAG-issued Rules During Warmer Weather

The National Guard is moving towards energy independence. To achieve the goals outlined on Page 1, the TAG has issued regulations including:

Prohibited items
<i>Electrically illuminated signs for decorating or advertising</i>
<i>Unauthorized light fixtures or wiring</i>
<i>Incandescent light bulbs</i>
<i>Freezers and refrigerators not in compliance with AR 420-1</i>



- » Keep thermostat settings in warm months at 78°F for occupied working and living spaces (during work hours)
- » Keep settings at 85°F for unoccupied areas or nonworking hours.

(Memorandum, Joint Force Headquarters, State Energy Management, 7 January 2014¹ and Army Regulation 420-1 Chapter 22-12)

New Energy Updates Quarterly Newsletter

Every quarter, we plan to send out individual facility and INARNG-wide updates on how facilities are doing and if they are on target to the 5% reduction goal. Additionally, the newsletters are designed to answer questions like:

- When is my building consuming more energy than other times of the year? How does that affect the cost?
- How does my building consumption

compare to similar ones?

- What have armories done to conserve energy and water?
- Who can I contact to report a leak or design (window, door, light, thermostat) malfunction?
- What activities are the highest water and electricity consumers?
- What projects are we working on to make the INARNG more energy efficient?

Is One of Your Colleagues an Energy Star?

If someone you work with goes out of their way to turn off lights, shut off a running facet, or do anything that promotes energy conservation, nominate them for a special title and recognition:

Your Name _____

Their Name _____

Why they should be nominated (Few sentences to a paragraph) _____

Email nominations to: Carolyn Raider (contact info below)

Energy Questions?

Email us at:

LTC William Boehmer, State Energy Manager, INARNG
william.a.boehmer.mil@mail.mil

Carolyn Raider, Energy Property Coordinator, INARNG
carolyn.m.raider.nfg@mail.mil

¹http://armypubs.army.mil/epubs/pdf/ad2014_02.pdf