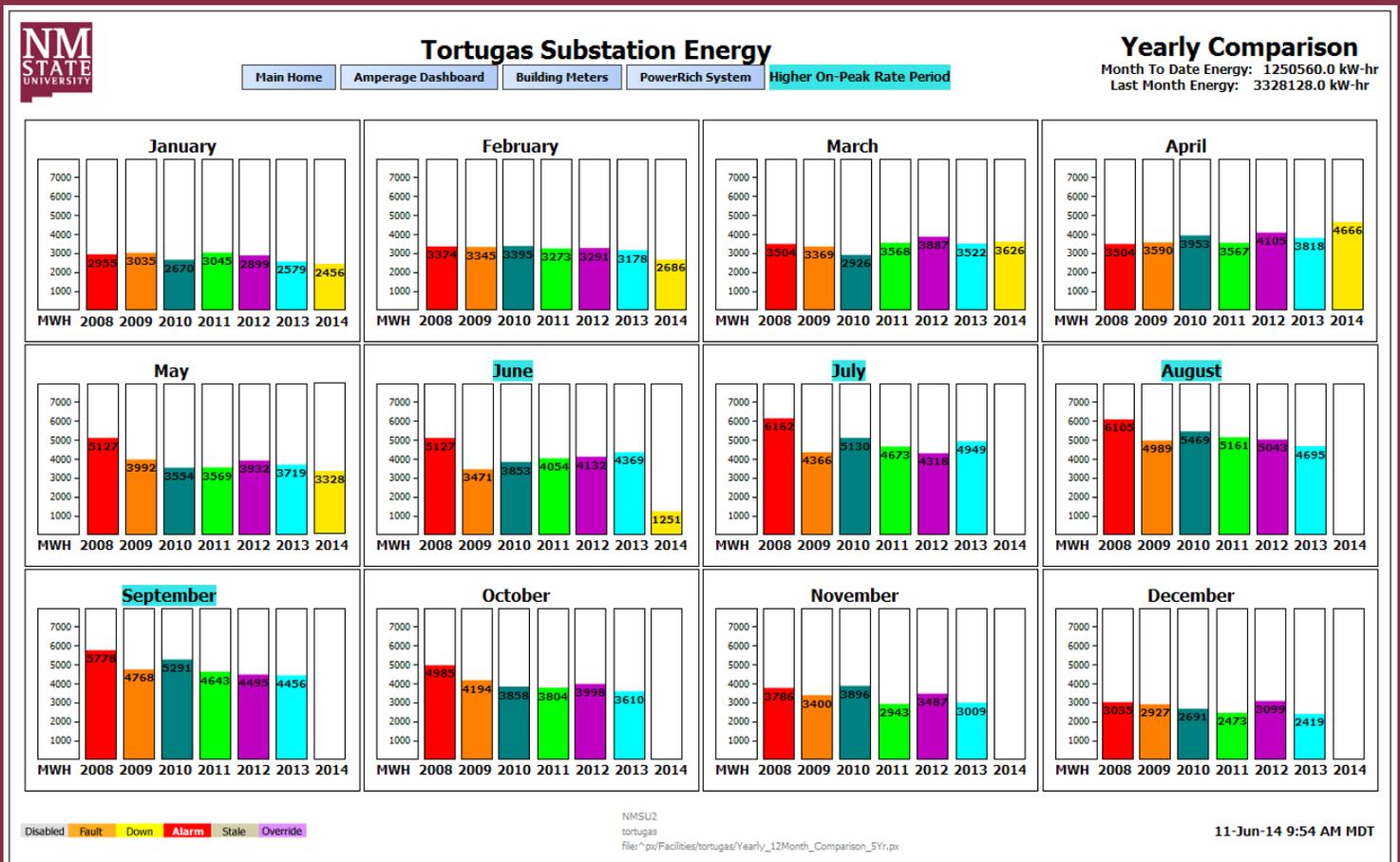


# Conservation and Modernization News

## A partnership between NMSU Facilities and Services and Ameresco

July 2014 Issue



<http://facilities.nmsu.edu/we-care/>

## Early Beginnings

NMSU hired Ameresco, an **Energy Service Company (ESCO)** in the spring of 2013. An ESCO is a business that provides a broad range of energy solutions including designs and implementation of energy savings projects, retrofitting, energy conservation, energy infrastructure outsourcing, power generation and energy supply, and risk management.

Ameresco performed an **Investment Grade Energy Audit (IGA)** of all campuses to identify energy saving projects that will **help NMSU become more energy efficient and promote campus sustainability**. This in turn will promote lower energy bills for all NMSU campuses.

Ameresco engineers conducted inspections of buildings beginning March 4, 2013. From those audits 45 buildings were selected to receive **energy upgrades** to include new interior and exterior lighting retrofits, upgraded mechanical systems, new LED pole streetlights, and retro commissioning (a process that seeks to improve how building equipment and systems function together).

The report was complete in October 2013 leading to the signing of an **Energy Performance Contract** by the Board of Regents, Higher Education Department, and Board of Finance. The Notice to Proceed was signed May 23, 2014. **Construction will begin on August 11, 2014**. Remember to check the website regularly for energy saving charts and schedule updates.

This newsletter and the website will be our way of communicating with everyone impacted on campus. As communications liaison, joni newcomer [sic], the manager of the Office of Sustainability will be your connection to "Everything You Wanted to Know but Were Afraid to Ask". I'll do my best to communicate everything you need to know but feel free to call her at 646-7563 with any questions regarding what is happening with our conservation and modernization project.

Look for the We CARE logo to identify construction areas and to see that we are Conserving and Reducing Energy at NMSU!



Questions? Concerns? Call joni newcomer, Office of Sustainability at 646-7563

**Go Aggies! Go Green!**



## “Everything You Always Wanted to Know About an ESCO... ...but Were Afraid to Ask!”

**Energy Conservation Measure (ECM)** is any type of project conducted or technology implemented to reduce the consumption of energy in a building. The aim of an ECM should be to achieve a savings, reducing the amount of energy used by a particular process, technology, or facility.

Ameresco will perform seven different **ECM's** at NMSU. They are as follows:

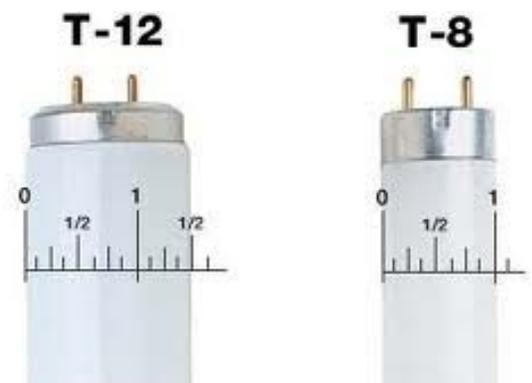
1. Interior lighting retrofits and upgrades
2. Exterior lighting retrofits (see photo at right)
3. Retro-commissioning
4. Economizer upgrade or repair
5. Variable Air Volume (VAV) retrofit
6. Chilled water bypass upgrade
7. Exterior pole mounted lighting upgrades (see below left)



Some buildings will get all upgrades; some will only get one or two. The We CARE website is the place to go to see how your building is affected. Go to <http://facilities.nmsu.edu/we-care/ecm/> for a description of the ECM's.

### What is a Lighting Upgrade?

One of the key drivers in seeking out energy performance contractors is the phasing out of T12 fluorescent lighting for more energy efficient T8 lighting due to the 2009 Department of Energy General Service lamp legislation. NMSU has started the retrofitting process with existing funding, but to convert an entire campus is a costly, time-intensive project. Approximately 33% of the cost of the energy upgrades and retrofits goes to the lighting upgrades. At the end of the performance period we will be able to retain a minimum of \$1.3 million in annual cost avoidance.



To learn more go to <http://facilities.nmsu.edu/we-care/we-care-faq/>

**Go Aggies! Go Green!**

Two construction schedules are below. They can easily change on a daily basis depending on what is found on the site the day before. Please look at the website for construction updates for your building.



The first four buildings are shown below for the **interior lighting upgrades**. The work will be done between 4 PM and 2 AM, Monday through Thursday so you should not be affected by the work. Our subcontractors are bonded, insured, and very experienced. A card will be left on your desk so you'll know when the work has been completed.

**Exterior wall-mounted lighting retrofit** schedule is also shown here but you should not be affected by this construction.

**Exterior LED pole light** replacements will begin September 15<sup>th</sup> and be complete around the end of January. This work will not affect your work day.

## Looking Ahead

Interior Lighting Retrofits			
Constr. Order	Building Name	Construction Start Date	Days of Work
1	Branson	08/04/2014	24
2	Zuhl Library	09/15/2014	19
3	Business Complex	09/23/2014	8
4	EC II (Hernandez Hall)	10/07/2014	8

August Exterior Lighting Retrofits			
Constr. Order	Building Name	Construction Start Date	Days of Work
1	Natatorium	08/11/2014	2.50
2	EC III (Foreman Complex)	08/13/2014	2.25
3	Pan American Center	08/18/2014	2.00
4	Goddard Hall	08/20/2014	1.75
5	Anderson Hall	08/25/2014	1.5
6	Skeen Hall	08/27/2014	1.5
7	Milton Hall	08/28/2014	1.5



Check out other schedules at <http://facilities.nmsu.edu/we-care/schedule/>