


# 30% of Energy Consumed in Many Oregon Government Facilities is Wasted.

Together we can **easily** reduce that waste with **little or no cost** but it requires **your** help.

Be on the lookout for upcoming events, information and surveys. Join the energy challenge happening right now in your building!

We Are Committed to Meeting the Federal Energy Reduction Mandates and Need Your Help.

# *Join the Energy Challenge*

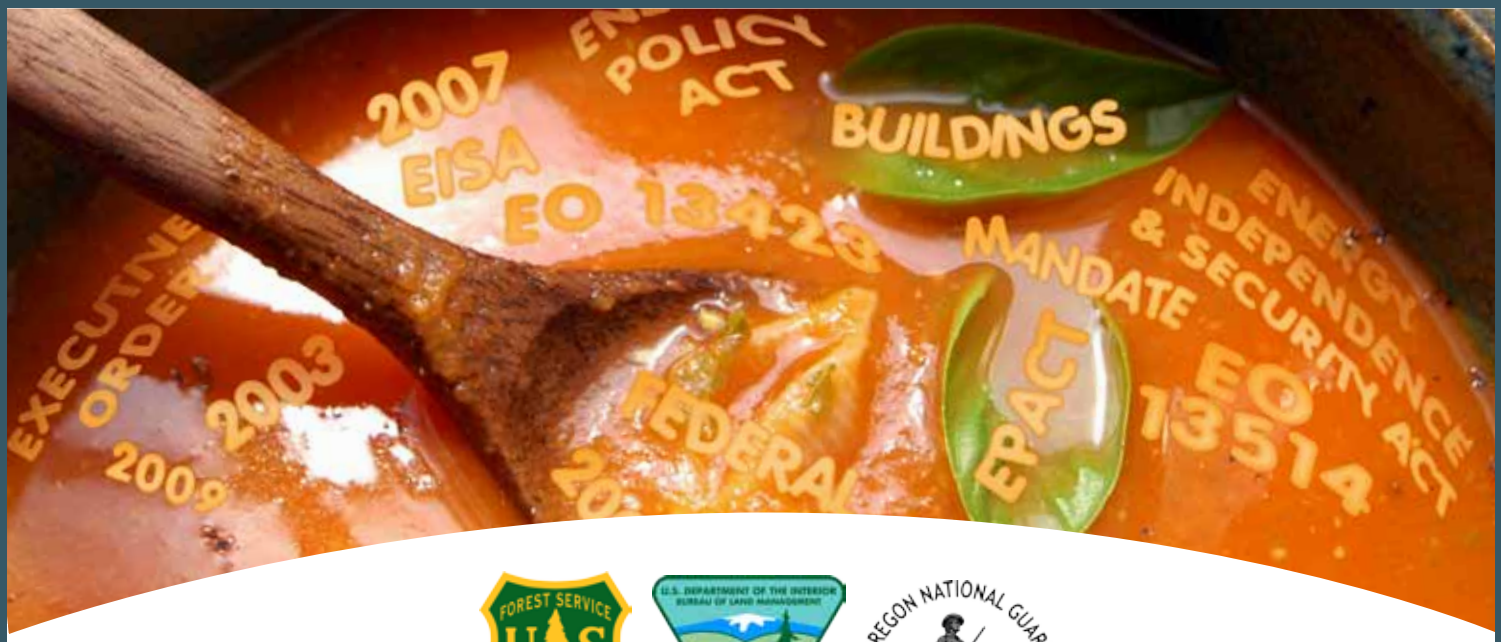
* **Increase Your Awareness of Energy Use Within Your Facility**

* **Take Action to Reduce Energy Waste**

Over the next 60 days, look for additional information & activities.

JOIN THE *Energy* CHALLENGE

**QUESTIONS?**
margaret.m.towlestrong.nfg@mail.mil




PERFORMANCE REQUIREMENTS FOR FEDERAL BUILDINGS

# What Does It All Mean?

These Federal policies establishes goals to reduce energy usage by 30% and eliminate wasted energy by 2020. They also contain goals for sustainable buildings, transportation and procurement.

The Energy Challenge is working to meet these goals right here at the Springfield Interagency Office/Lane Readiness Center.

# Why Reduce Your Energy Waste?

**1.** You can reduce the cost of operating the building.

**2.** You can reduce the energy consumed within the building.

**3.** You can reduce the air & water pollution from energy generation.

**Waste Prevention =**
A More Responsible Use of Our Federal Resources.

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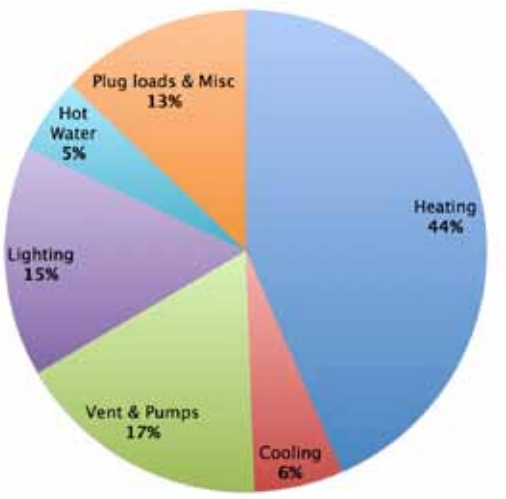
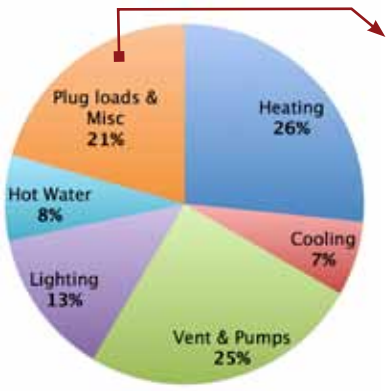
# Where Does the Energy Go?

Every building has a unique physical location, purpose and construction. Lighting, HVAC, and Plug loads continue to be top consumers of energy.

This pie chart illustrates where energy ends up getting consumed within a standard commercial building




**STANDARD COMMERCIAL BUILDING**




**HIGH PERFORMANCE LANE RC / SIO BUILDING**

As new buildings are constructed more efficiently, the total % of energy used by plug loads is increasing while other parts are decreasing. Now more then ever, **occupants have control** of how much energy the building consumes!

# How Much Energy Does the Lane RC / SIO Use Annually?

ELECTRICITY
**955,000**
**kWh**

NATURAL GAS
**27,500**
**THERMS**

UTILITY BILLS
**$113,500**
**DOLLARS**

If this weren't a high performance building it would consume twice as much energy and dollars.

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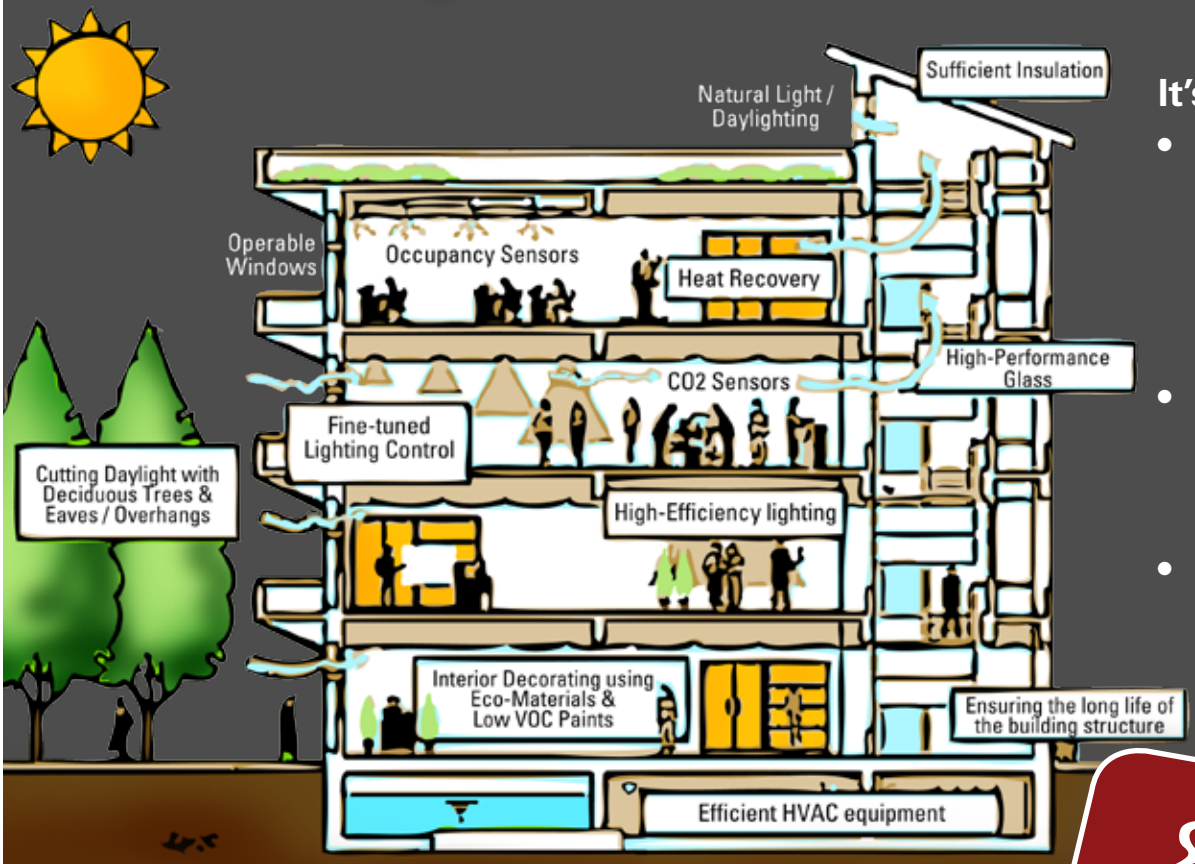
HIGH PERFORMANCE BUILDING

HIGH PERFORMANCE PEOPLE

DID YOU KNOW?

# Some Features That Make Lane RC/SIO a High Performance Building




**It's also about...**

- Keeping people comfortable, healthy and enhancing their ability to accomplish work
- Reducing operating & maintenance costs
- Reducing Energy, Water & Material Waste.

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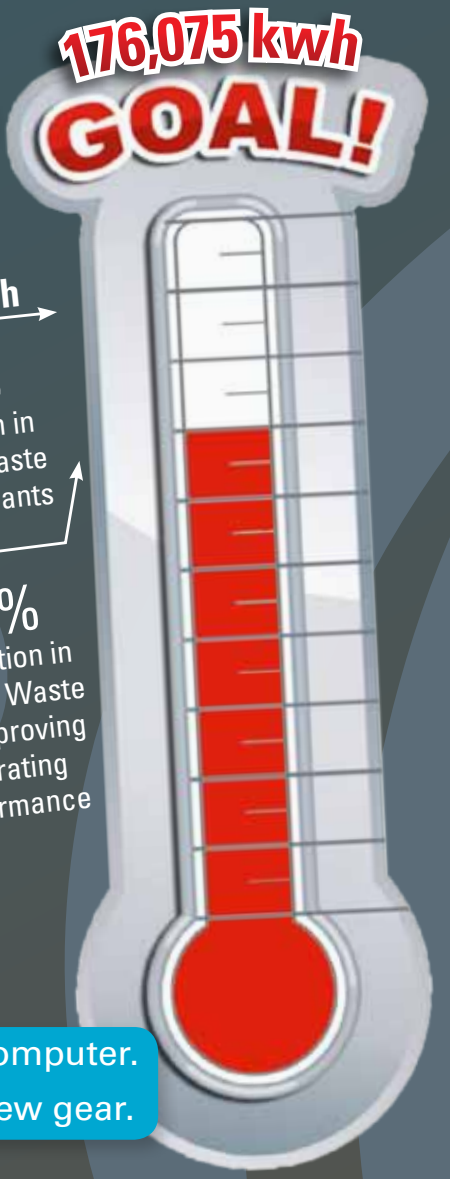
# You Have the Power to Reduce Energy Waste

In order to reach our overall energy reduction goal of 10%, we need a 3% reduction from occupants.




**TAKE SIMPLE STEPS AND MAKE A DIFFERENCE**

## If it's On, Turn it Off

- Unplug entire cubicles not in regular use
- Task lights, Monitors & Computers (if possible)
- AV equipment (especially large TV's & projectors)

## Choose Less Energy - Not More

- A laptop can use less than half the energy of a desktop computer.
- Make 'energy consumption' a criteria when purchasing new gear.

## Change Your Habits

- Working alone outside normal scheduled operating hours can become uncomfortable and potentially cost the agency money. Occupancy sensors are waiting for you to leave the area in order to turn off lights and equipment.
- Wear light clothing in summer and warm clothing in winter. You'll be comfortable and help save energy by not needing to raise or lower the thermostat.
- Open and close windows when the outside air temperature is mild. (not too hot/not too cold)

**QUESTIONS?** margaret.m.towlestrong.nfg@mail.mil

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Lots of energy saving going on in those office cubicals! Keep up the **great** work.

– PLUG LOAD BEST PRACTICES GUIDE –
NEW BUILDINGS INSTITUTE 2014

# 5 Steps for Managing Plug Load Energy Use in Offices

## 1. Review

Identify your needs, inventory your equipment and focus on the devices that use the most energy— usually, that's the equipment you use the most.

## 2. Remove

Eliminate or unplug unnecessary devices.

## 3. Replace

When it's time to replace, purchase the most energy-efficient devices for the job.

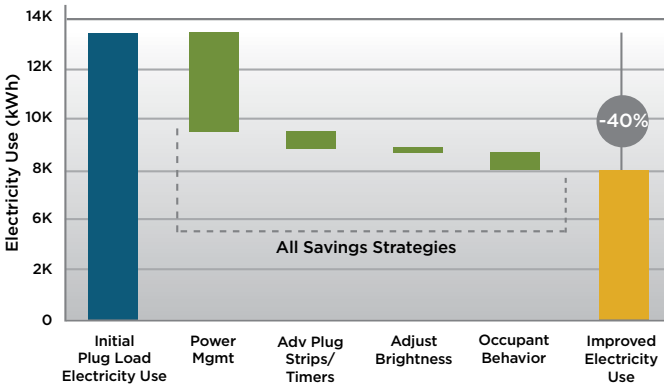
## 4. Reduce

Turn it off or power it down when not in use.

## 5. Retrain

Make sure you understand why, when and how to power down. Don't assume technology always works as advertised.

**Plug Load Energy Savings Opportunities**




*In a small office in California, low- and no-cost energy-saving measures reduced plug load energy use by 40%.*

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JOIN THE Energy CHALLENGE


# You're Invited!

Join Us for a Energy Challenge Celebration
& LEED Gold Plaque Unveiling.

## Wednesday
## September 3rd - *1pm-3pm*

1:00pm Official LEED Gold Plaque unveiling
1:30-3pm Bliss Bars served outdoors by Solar Rover Display
*Prizes for participating in our survey*

ARCIMOTO

WILL BE JOINING US ON-SITE

Arcimoto is a local Eugene company that designs and builds an ultra-efficient electric three-wheeled vehicle and EV platform for a sustainable every day ride.

LOCATION

## Oregon National Guard Front Entry

SUB

*A BIG 'Thank You' to our local Springfield Utility Board for their support and commitment to energy efficiency*

FOREST SERVICE US DEPARTMENT OF AGRICULTURE

OREGON NATIONAL GUARD

JOIN THE Energy CHALLENGE

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