

November 7, 2016

**ENERGY COMMITTEE**  
**Douglas County Board of Supervisors**  
**Friday, November 18, 2016, 9:30 a.m., Room 207C, Courthouse**  
**1313 Belknap Street, Superior, Wisconsin**

Please call the Chair or the County Clerk's Office (395-1397) if you cannot attend.

MEMBERS:	Dave Sletten, Chair	David Conley, Vice Chair
	Charles Glazman	Steve Wedan
	Keith Wiley	Mark Nelson, ECE (Advisor)

**A G E N D A**  
**(Committee to maintain a two-hour meeting limit or take action  
to continue meeting beyond that time.)**

1. Roll call.
2. Approval of minutes from the July 15, 2016 meeting (attached).
3. Action items/referrals:
  - (a) Energy resources website (attached);
  - (b) Review ongoing energy project list (attached);
  - (c) Hawthorne Highway Department boiler replacement; and
  - (d) Focus on Energy Campaign (attached).
4. Informational: Utility history reports (attached).
5. Future agenda items.
6. Adjournment.

cc:	Shelley Nelson	Andy Lisak	Keith Kesler
	Candy Anderson	Tracy Ruppe	Bobbi Rongstad
	Matt Haley	Nicole Hynum	County Board Supervisors
	Russ Liupakka	Al Bohl	

**NOTE:** Attachments to the agenda are available at the County Clerk's Office for review or copying and at the Douglas County website at [www.douglascountywi.org](http://www.douglascountywi.org). Action may be taken on any item listed on the agenda. The County of Douglas complies with the Americans with Disabilities Act of 1990. If you are in need of an accommodation to participate in the public meeting process, please contact the Douglas County Clerk's Office at (715) 395-1341 by 4:00 p.m. on the day prior to the scheduled meeting. Douglas County will attempt to accommodate any request depending on the amount of notice we receive.

Posted – Courthouse. Government Center: Daily Telegram emailed.

 11/07/2016  
Name \_\_\_\_\_ Date \_\_\_\_\_

**ENERGY COMMITTEE MISSION STATEMENT**

*To make cost-effective energy efficient practices central to the County's operating policies and to promote the principles of stewardship and sustainability as an integral part of the County's decision-making process.*

**ENERGY COMMITTEE**  
**Douglas County Board of Supervisors**  
**Friday, July 15, 2016, 9:34 a.m., Room 207C, Courthouse**  
**1313 Belknap Street, Superior, Wisconsin**

Meeting called to order by Chair Dave Sletten.

**ROLL CALL:** Present – Dave Sletten, David Conley, Charles Glazman. Absent – Steve Wedan, Keith Wiley, Mark Nelson (Advisor). Others present – Keith Kesler, Cheryl Westman, Committee Clerk.

**APPROVAL OF MINUTES:** Motion by Sletten, second Conley, to approve the minutes from the March 18, 2016, meeting. Motion carried.

**ACTION ITEMS/REFERRALS:**

**Energy Resources Website:** Reviewed updates to website information.

**ACTION:** Motion by Conley, second Glazman, to approve continued operations under the heating and cooling guidelines as currently written. Motion carried.

**Review Ongoing Energy Project List:** Reviewed – identified highlighted projects currently ongoing – creating a completed column in the future to be addressed.

**Hawthorne Highway Department Boiler Replacement:** Focus on Energy spreadsheet showing existing and proposed efficiency and annual energy cost comparisons, and the projected savings, due to replacing existing boilers at the highway shop.

**ACTION:** Motion by Glazman, second Conley, to support purchase of four boilers at Hawthorne Highway Department. Motion carried.

**Lighting Disposal/LED Replacement:** Focus on Energy provided LED replacement comparison spreadsheet reviewed (existing w/proposed and savings fixtures). Buildings and Grounds to pursue future LED replacements as budget allows, working with Focus on Energy. Certificate of recycling/disposal reviewed.

**Solon Springs Forestry Department Addition:** Harris working with Focus on Energy for incentives during this project.

**INFORMATIONAL:**

**Utility History Reports:** Reviewed. Updated reports distributed.

**Future Agenda Items:** Hawthorne hot water system; Highway Department boiler replacements. Next meeting September 16, 2016.

**ADJOURNMENT:** Motion by Glazman, second Conley, to adjourn. Motion carried. Meeting adjourned at 10:54 a.m.

Submitted by,

Cheryl Westman, Committee Clerk

## Douglas County Energy Committee items currently on Webpage 11-4-2016

### Energy Efficiency

The General Services Department strives to make energy efficiency enhancements within the Government Center, Courthouse, Jail, and surrounding grounds. The Douglas County Energy Committee works with all Douglas County own/operated facilities and assists with these energy enhancement programs. These groups work jointly with Focus on Energy to install cost-effective energy efficiency and renewable energy projects.

### Douglas County Energy Specific Information

- [Energy Saving Tips](#)
- [Heating and Cooling Guidelines](#)
- [Occupant Behavior](#)
- [Douglas County Park and Ride Program](#)

### Energy Related Links

- [Focus on Energy](#)
- [Wisconsin State Energy Office](#)
- [Wisconsin Rebates and Programs](#)
- [Energy Star](#)

Seeking Suggestions for what to add to this webpage from committee members

**ENERGY COMMITTEE DRAFT ENERGY PLAN FOR DOUGLAS COUNTY**

<b>PROJECTS</b>	<b>ACTION</b>	<b>RESOURCES</b>	<b>TIMEFRAME</b>	<b>Progress</b>
<b>Buildings &amp; Grounds (Buildings account for 38% of US CO2 emissions)</b>				
Include Smart Growth principles into county land use and comprehensive planning process	Research Smart Growth Principles	Time	0-3 Months	
Do plantings to sequester carbon	Research Planting Areas - Contact local greenhouses for donations/Do plantings	Time	0-6 Months	
Use green design principles in new buildings or renovations	Call NaCo and ICLEI for guidelines	Time	0-3 Months	
Install light colored roofs to reflect heat back	Call NaCo and ICLEI for information/Write a policy resolution	Time	0-6 Months	
In hallways, lower or eliminate excess lights	Tour of Buildings - Contact Buildings & Grounds Department	Time	0-3 Months	Done. Eliminate lamps, lower wattage
Use light colored paint for dark areas	Buildings Tour	Paint & Labor	0-6 Months	Done. Have standard light colors to pick
Use reusable mugs, plates, etc., whenever possible/Reduce single use throwaways	For offices-Do a walk through/See what is being thrown away/Develop a list of best practices/Do recycling education/Make sure boxes are available and easy to access./Water use-Monitor bills and develop best practices for water conservation list	Time	0-6 Months	Look into water bottle filling station, reduce plastic bottle
	Check for what is being used/Move to reusables	Donations of mugs and other	0-3 Months	
Abide by Styrofoam resolution	Check into existing Styrofoam resolution and find out if it is being followed/Communication to personnel on ordinance	Time	0-3 Months	
<b>Conservation</b>				
Develop policies and programs to protect land and water resources by preserving open space, critical habitat, and farmlands/Restore and protect wetlands, create buffers around water bodies and limit impervious surfaces	Check with Land Conservation Committee on how it interacts with energy and CO2 savings	Time	0-3 Months	
Encourage brown field and redevelopment projects	Research current policies and make recommendations	Time	0-3 Months	
<b>Energy</b>				
Conservation!!! Get ideas from staff - suggestion boxes	Research energy conservation numbers/Send to personnel/Meet with/post or send email memo to gather additional conservation ideas from personnel	Time	0-6 Months	
Use Energy Star appliances	Do research NaCo./Draft resolution for purchasing	Time	0-3 Months	Done. Purchase of Energy Star Products
Consolidate use of electronics and small appliances	Take building tour/Develop recommendations	Time/Possible costs tbd	0-6 Months	
Computer use: Log off and shut down/An average computer left on emits 2000 lbs of CO2/year compared with 500 lbs for computers that are turned off when not in use	Gather and distribute energy information to personnel/Develop reminder posters/Do walk throughs for compliance	Time/Paper for posters	0-6 Months	Done. Policy-Computers are to be shut down

<b>ENERGY COMMITTEE DRAFT ENERGY PLAN FOR DOUGLAS COUNTY</b>				
<b>PROJECTS</b>	<b>ACTION</b>	<b>RESOURCES</b>	<b>TIMEFRAME</b>	<b>Progress</b>
<b>Energy, Continued</b>				
Install motion/heat sensors in hallways, bathrooms and workrooms	Walk throughs/See what's there/Develop a list of recommendations	Time/Money for recommendations	0-6 Months	Done. Motion Sensors installed
Turn down thermostats two degrees in winter and up two degrees in summer	Determine present heating and cooling temperatures/Talk to management about temperature adjustments/ Encourage lighter summer wear and warmer winter wear	Time	0-6 Months	Done. Heating and Cooling Guideline
Look for ways to incorporate renewable energy such as wind generators (St. Louis County) and solar panels/Check on rebates from power companies, state or federal governments	Research power company, state and federal rebates/Develop recommendations for the future	Time/Monetary costs tbd	0-12 Months	
Highway Dept. lighting updates/sign shop water heater	Research potential for water heater replacement in sign shop; and LED lighting at fuel islands and other exterior lighting	Time/Money for recommendations	0-12 months	Done. Exterior LED Highway and Gov Center/Courthouse
Courthouse/Government Center: Heating and Cooling Guidelines	Establish guidelines for summer and winter temps	Time	0-3 months	Done. Developed Heating/Cooling Guideline
Update to higher efficient boilers within County owned Facilities	Highway Department Boilers, Courthouse Boilers	Time/Money	0-12 Months	Done. Completed for Courthouse. Working on upgrade HWY
<b>Transportation (33% of USA CO2 emissions)</b>				
Monitor county vehicle use	Develop a system to monitor county vehicle use to see what patterns exist and what changes might be made	Time	0-12 Months	
Phase in hybrids/electric/gas/propane efficient cars/Research synthetic lubricants & alternative fuels	Make recommendations based on monitoring and research results above	Time/Possible monetary expenditures	0-12 Months	Done. Researched Propane vehicles/hybrids
Encourage people to walk or bike	Gather and disperse information on energy savings and health benefits to personnel/"Save Energy and Save Your Health" bike or walk contest/Have personnel keep track of hours biked or walked to work during August/Prizes donated by local merchants/News coverage out in community	Time, news coverage, items donated	0-6 Months	Done. Promote Bike to work day with DTA. Partner with HHS?
Install bike racks outside of county work places	Check number of bike rack spaces available	Time/Purchase more racks if needed	0-6 Months	Done. Bike racks installed. Adequate # of spots
Encourage walkable and bikable towns and cities	Contact MIC for recommendations for Douglas County	Time	0-6 Months	Done. Bike lanes/improved sidewalks for travel
Bike to Work Day	Discuss a possible county-wide day to encourage biking or walking to work day	Time	0-12 Months	Done. Work with DTA on bike to work day
Encourage use of public transit	Contact DTA for ideas/Make sure bus schedules and the DTA phone number are widely available/Research current schedule locations and determine whether more are needed	Time	0-6 Months	Done. Work with DTA. New Drop offs with Belkap Construction in 2017
Publicize the existing and increase county public transportation options	Research what is available and publicize it/Determine whether there is a need for more options through surveys	Time/Possible survey expenses	0-6 Months	
Ride boards/carpools/ride share gathering places	Develop a way to post ride and carpool needs for personnel online/Identify areas to serve as Park and Ride locations	Time	0-12 Months	Done. Park and Ride system developed. Add info to WI DOT database
<b>Education</b>				
Brochure on how residents can reduce CO2	Put together and distribute handouts for community residents on energy and CO2 savings ideas	Time and printing costs	0-6 Months	
SWL&P/Dahlberg, etc. - inserts on reducing CO2 in bills	Talk to local power companies about putting handout in bills	Time.	0-6 Months	
County fact sheets with CO2 reduction ideas	Create or borrow county energy reduction fact sheet for personnel/Check with NaCo for prototype	Time and copying costs	0-6 Months	Done. County energy facts sheets disseminated yearly

**ENERGY COMMITTEE DRAFT ENERGY PLAN FOR DOUGLAS COUNTY**

<b>PROJECTS</b>	<b>ACTION</b>	<b>RESOURCES</b>	<b>TIMEFRAME</b>	<b>Progress</b>
<b>Education, Continued</b>				
Recycling-bins and information available to all	Check for widespread availability of personal recycling containers	Time/Possible purchase of containers	0-6 Months	Done. Work with NWRP on recycling
Public meetings with information on how to recycle/reduce CO2 emissions	Determine if county wide informational meetings are needed/If so, find speakers and venues/Investigate an informational series in local publications as an alternative to meetings	Time	0-9 Months	
Publicize Douglas County's weatherization program	Publicize weatherization program through PSAs, town and village meetings and local news sources	Time	0-6 Months	Done. Work with DC HHS/Ashland Housing authority
Bring "Paradise Lost?" exhibit to Superior	Bring "Paradise Lost" exhibit to Superior	Cost of exhibit	0-9 Months	
Join Cool Counties and share information with supervisors and public	Investigate joining Cool Counties	Time	0-3 Months	Looks like this was big in 2007, currently phased out
Make energy information available online	Develop energy related webpage with applicable information	Time	0-3 Months	Done. Webpage created with related resources
<b>Procurement</b>				
Purchase recycled paper and other office supplies (at least 30% post consumer)	Investigate current status of recycled content in paper and office supplies/Check with NaCo and St. Louis County on what is being done and what is available	Time/Possible costs in purchasing	0-6 Months	Done. Recycled Paper (30%) being ordered
Purchase locally as much as possible	Determine local options/sources and develop a local procurement policy	Time	0-12 Months	
Purchase from companies who are energy efficient in their practices	Request sustainability plans from current and prospective vendors.	Time	0-12 Months	
<b>Highways</b>				
Look into paving with porous or lighter colored materials.	Compile information on paving surfaces and heat	Time	0-6 Months	



# Douglas County ENERGY COMMITTEE



Douglas County and Focus on Energy want to help you use energy smarter. The Simple Energy Efficiency Program offers **FREE** energy saving products for your home! You may also upgrade your efficiency pack by selecting one of the several choices that best fits your needs as show below:

<b>FOCUS PACK</b> Regular Price: <del>\$33.84</del> <b>Your Price: FREE!</b>	<b>FOCUS SMART STRIP PACK</b> Regular Price: <del>\$49.84</del> <b>Your Price: FREE!</b>	<b>FOCUS DECORATIVE LIGHT UPGRADE PACK</b> Regular Price: <del>\$33.84</del> <b>Your Price: \$3.00</b>	<b>FOCUS FLOOD LIGHT UPGRADE PACK</b> Regular Price: <del>\$43.80</del> <b>Your Price: \$5.75</b>	<b>FOCUS GLOBE LIGHT UPGRADE PACK</b> Regular Price: <del>\$36.84</del> <b>Your Price: \$6.95</b>	<b>FOCUS SHOWERHEAD UPGRADE PACK</b> Regular Price: <del>\$47.85</del> <b>Your Price: \$8.95</b>
<a href="#">ADD TO CART</a>	<a href="#">ADD TO CART</a>	<a href="#">ADD TO CART</a>	<a href="#">ADD TO CART</a>	<a href="#">ADD TO CART</a>	<a href="#">ADD TO CART</a>

In order to get your FREE Energy Saving products pack for your home you need to be a customer of a participating Wisconsin utility company and will need to click on the below **CLICK HERE TO ORDER** image and then click on My Account near the bottom of the page to register. Once registered, you can select an efficiency pack and have it shipped to your home. The FREE packs are indeed FREE and there are no shipping fees. Join us in being an energy miser, and get your kit today!



**CLICK HERE TO ORDER  
YOUR PACK TODAY!**

## Join us with other local instant discounts on ENERGY STAR LED bulbs as well

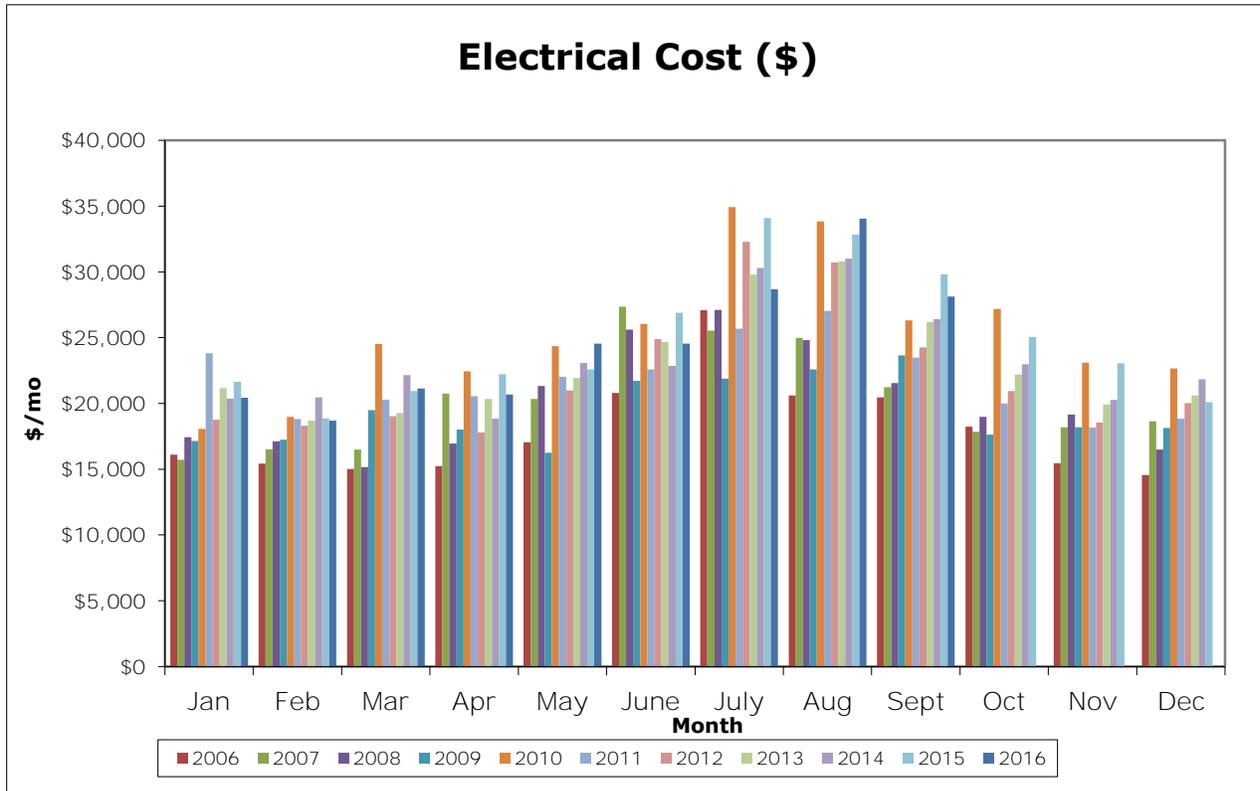
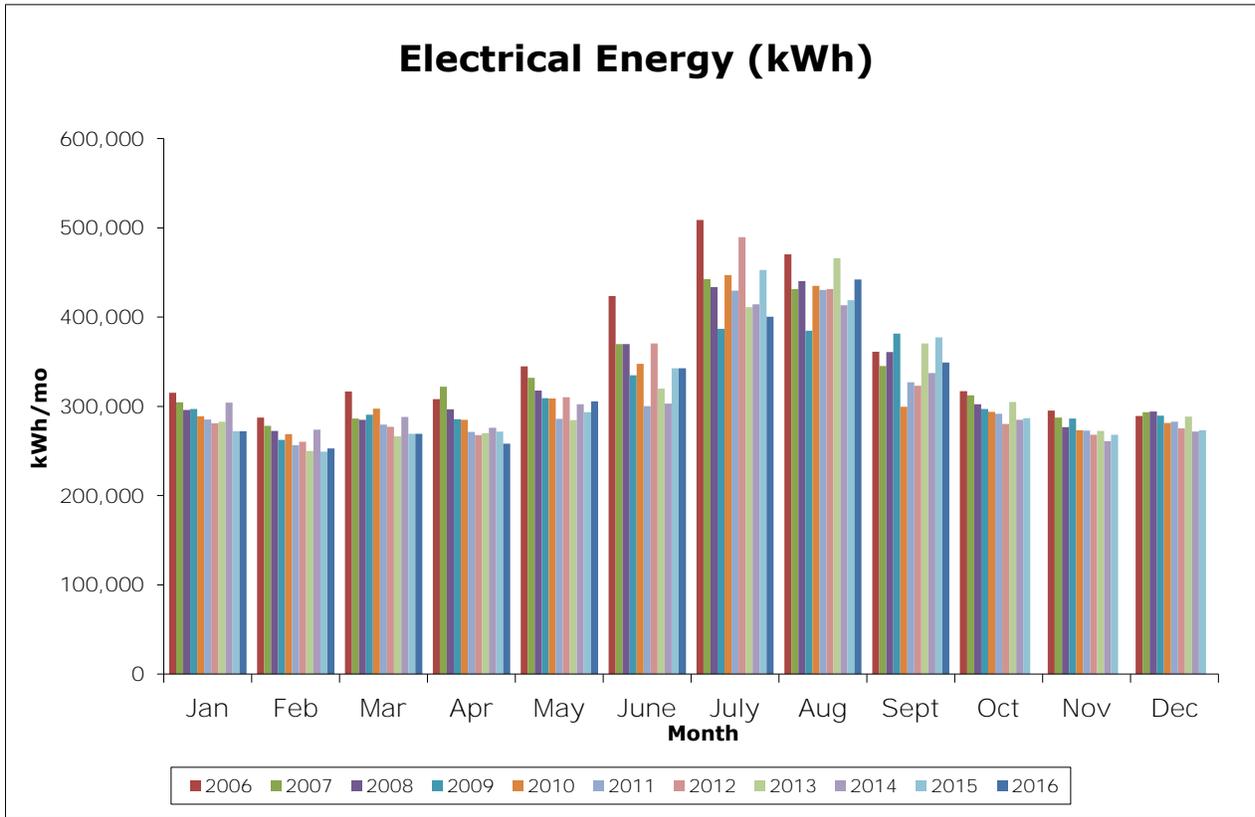
Look for the Focus on Energy Instant Discount sticker at the below local retailers to save

- Do IT Best Hardware
  - Dollar Tree
  - East End Hardware
  - H AND H Lumber
- Menards
  - Miners East Superior Super One
  - Miners Oakes Super One
  - WALMART

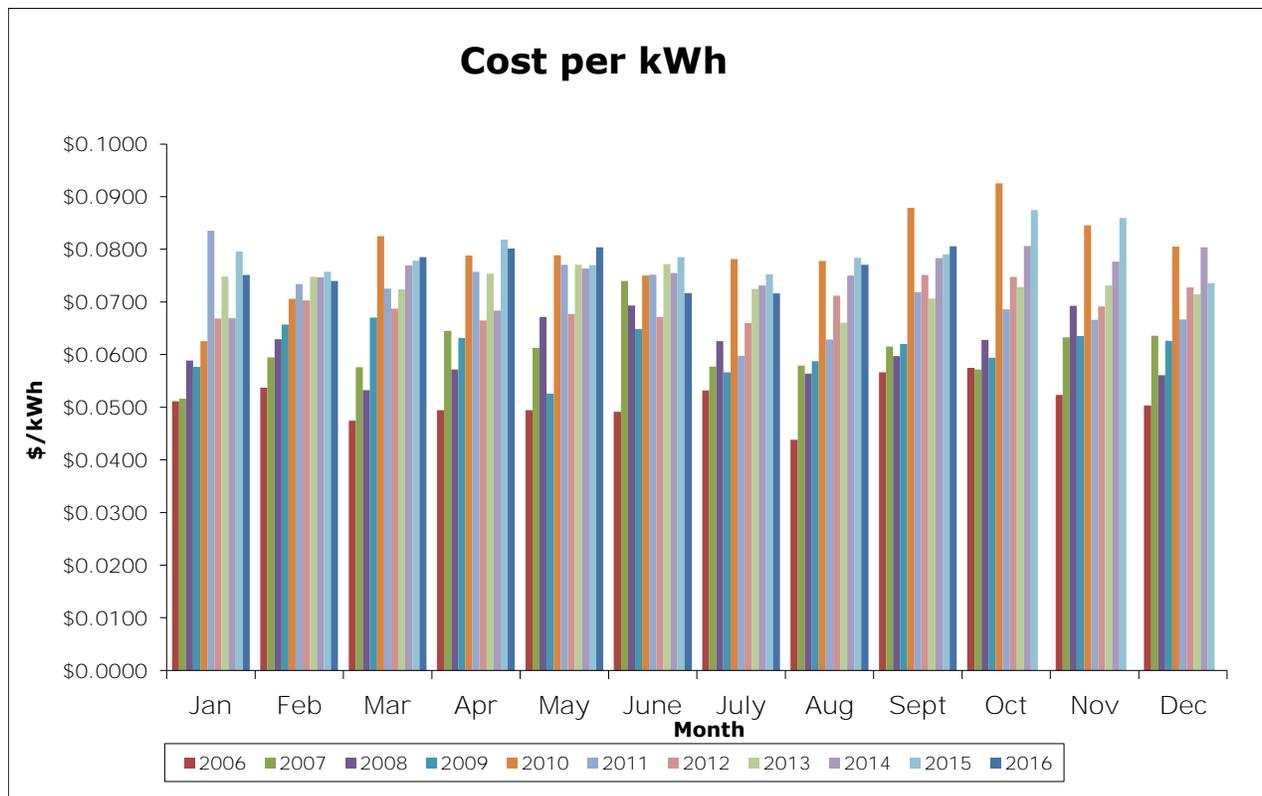
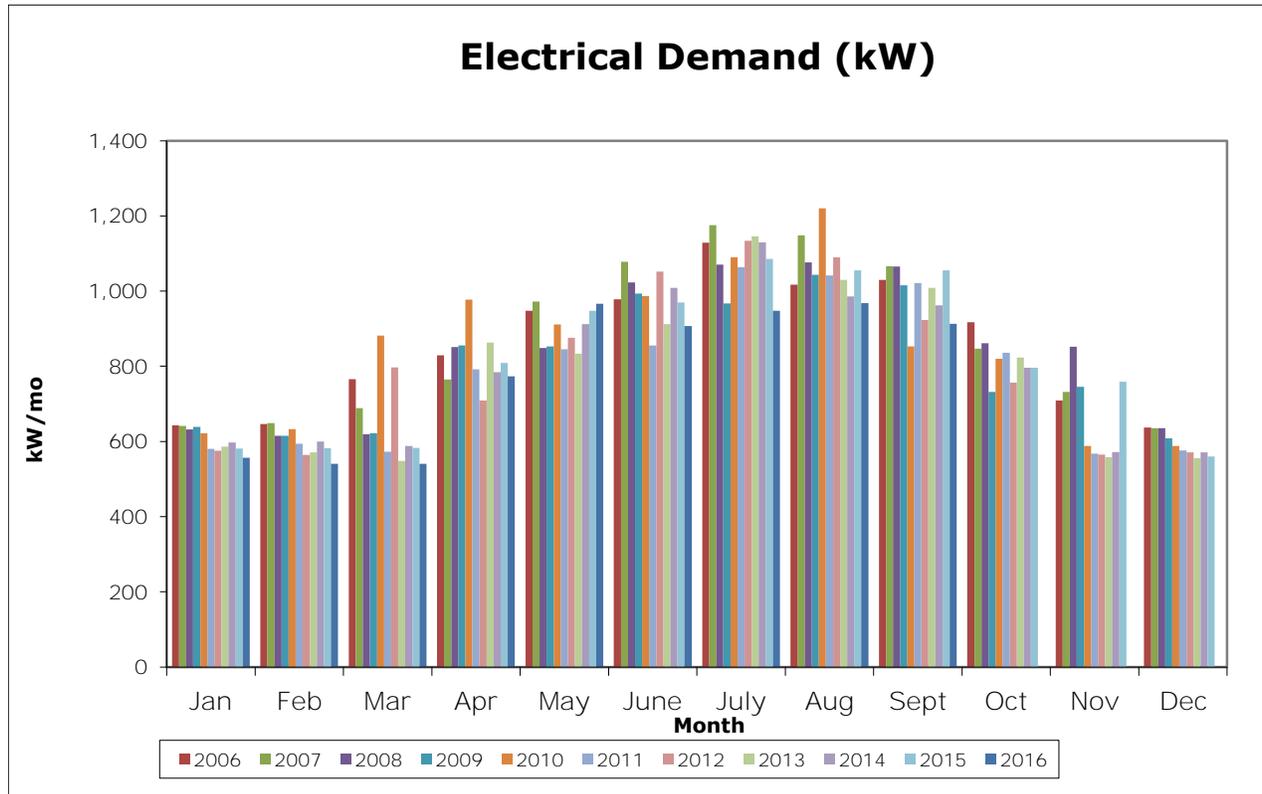
**INSTANT DISCOUNTS!**  
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Follow the progress of the Douglas County Energy Committee [here](#) or contact Energy Committee Chair Dave Sletten at [slettend@ci.superior.wi.us](mailto:slettend@ci.superior.wi.us) or 715-395-1497 with your energy related comments or suggestions.

## Douglas County Government Center and Courthouse



## Douglas County Government Center and Courthouse



## Douglas County Government Center and Courthouse Interruptible

