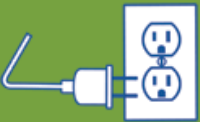




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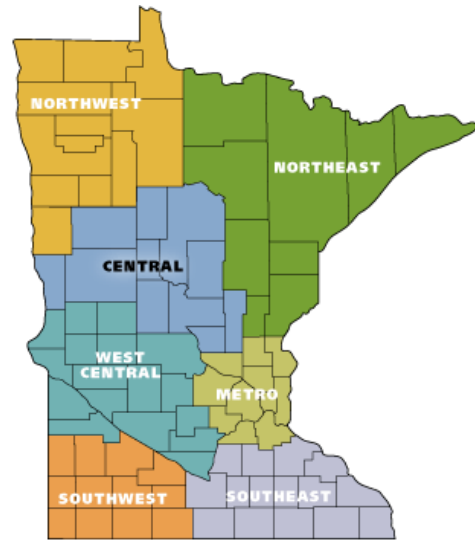
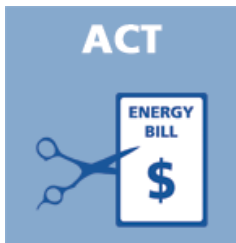
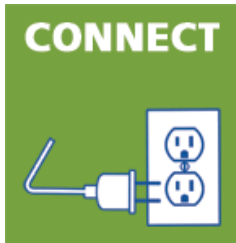


MNGHPA Conference

January 15, 2012



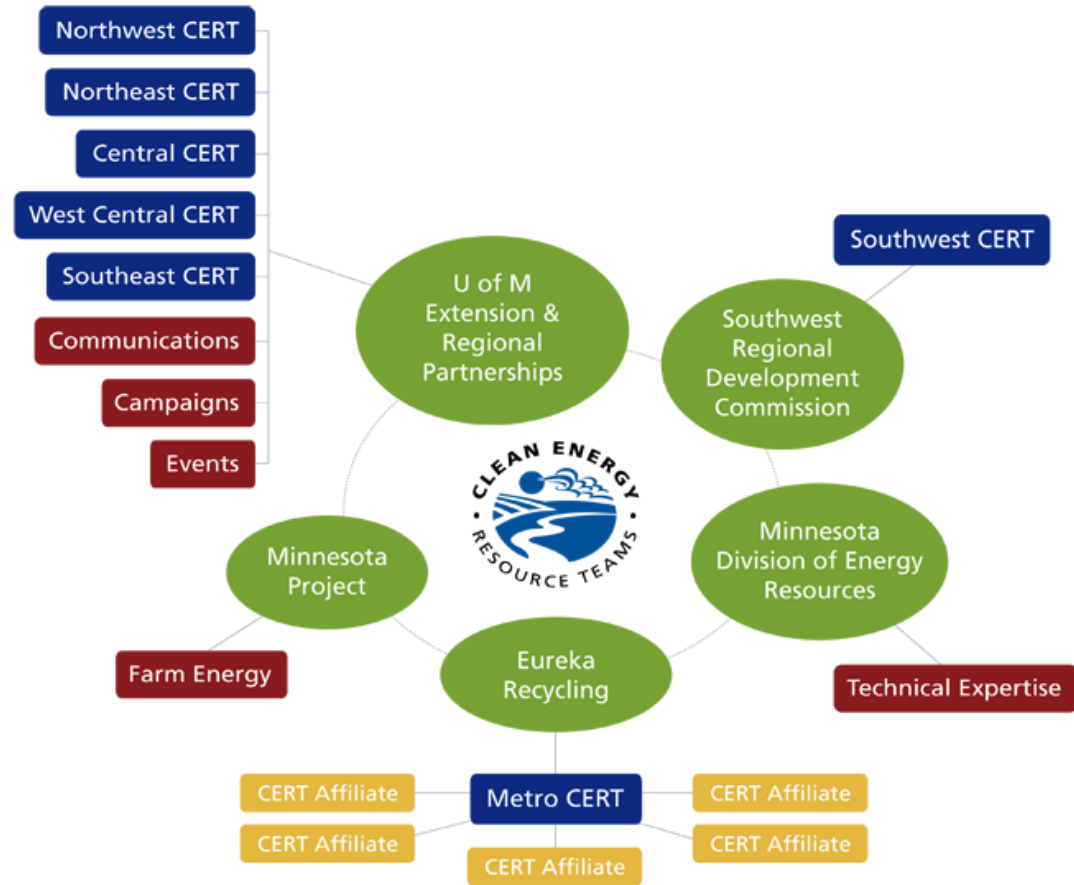
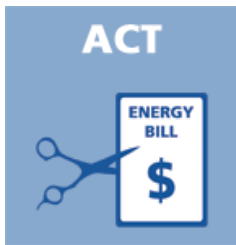
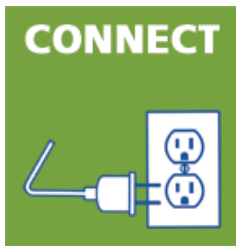
Clean Energy Resource Teams



“Helping Minnesotans Determine Their Clean Energy Future”



Structure and Partners



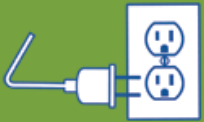


Mission Statement

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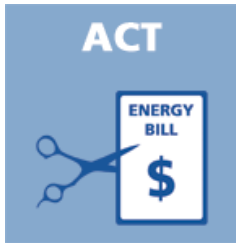
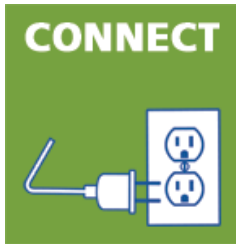
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The West Central CERT wants to fundamentally change the way energy is produced and consumed in its region's communities and across the state. Its overarching vision is to use local resources to make both the region and the state energy self-sufficient.



Forums and Tours





Seed Grants

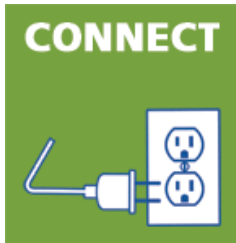
Examples of Funded Projects



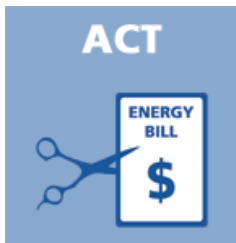
Morris Regional
Fitness Center



Finland
Community Center



New London
Little Theatre



Prairie Woods Shop
Solar Thermal Heating



Efficiency

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Right Light Guide

for General Use Bulbs

Today there are more lighting choices than ever before!

This guide will illuminate the main differences between types of light bulbs, their brightness, and how to read new labels.

STEP 1
Choose a New Bulb

The main new light bulbs are LED, CFL, and halogen.

Which bulb you choose will depend on how much money you want to save, where you'll use the bulb, and other preferences.

The chart below shows the 10-year cost of the different types of bulbs, how many replacement bulbs are necessary over 10 years, and the pros and cons of each.

Bulb	10-Year Cost	Pros and Cons
 LED	 \$40	<ul style="list-style-type: none"> • Saves 85% in energy costs • Longest lasting bulb on the market (10+ years) • Dimmable from 10%-100% • Not sensitive to colder temperatures
 CFL	 \$43	<ul style="list-style-type: none"> • Saves 75% in energy costs • Lasts 8 times as long as the incandescent • Comparable cost to the incandescent • Sensitive to colder temperatures • Lesser dimmable range of 20%-90% • Contains mercury-recycling required
 Halogen	 \$110	<ul style="list-style-type: none"> • Same color quality as incandescent • Mercury Free • Comparable cost to the incandescent • Saves 30% in energy costs • Short life span like the incandescent
 Incandescent	 \$160	

Hint: Buy Quality Bulbs

With so many new bulbs on the market, quality can vary. **Look for the ENERGY STAR label** when you're buying efficient bulbs to ensure the quality of the light produced by the bulb and make sure it will have a long life.

CFLs	LEDs
9-13W	4-5W
13-16W	6-8W
17-23W	9-11W
23-30W	11-15W

to the store.

Soft White or Warm

residential general-use lighting, or a soft white or warm bulb, will most closely match the color of traditional incandescent bulbs.

Real People

about lighting support they offer.

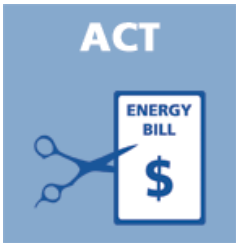
without lighting support they offer.

10-Year Cost Assumptions: 60W incandescent and efficient equivalents; use 3 hours/day; \$0.1158 kWh; \$5 labor time, travel, cost/replacement.

Note: Non-residential energy rates are generally lower than residential.



Rural Minnesota Solar Initiative



Helping Minnesota farmers and small businesses learn more about how solar can work for them, and providing assistance to catalyze projects.

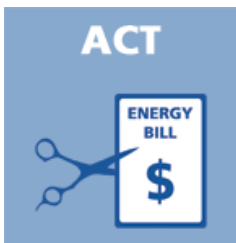
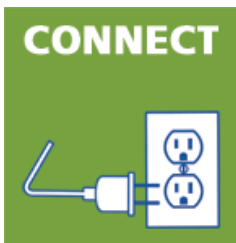


Committed to the future of rural communities.

www.cleanenergyresourceteams.org/rural-minnesota-solar-initiative



Campaigns



Make A Splash!

CERTified Campaigns provide Minnesotans with clear and actionable ways to implement energy efficiency and renewable energy projects in their community.



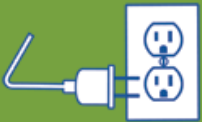
2013 CERTs Conference

Community-Driven Clean Energy

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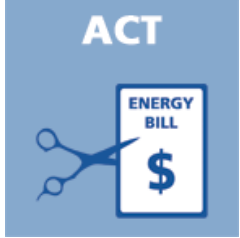
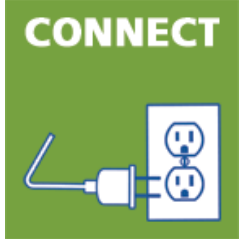
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Feb. 20-21 | St. Cloud
Rivers Edge Convention Center



Database of State Incentives for Renewables and Efficiency



The header banner for the DSIRE website. It has a red background with the "DSIRE" logo in white and orange. Below the logo is the text "Database of State Incentives for Renewables & Efficiency". On the right, it features the U.S. Department of Energy logo and the text "Energy Efficiency & Renewable Energy". Below that are the IREC (Interstate Renewable Energy Council) and North Carolina Solar Center logos. At the bottom of the banner is a navigation menu with links: Home, Staff, Glossary, Links, FAQs, Contact, About, and social media icons for Twitter and Facebook.

A button for "DSIRE SOLAR" with the text "solar policy information" and a play button icon.

DSIRE is a comprehensive source of information on state, local, utility and federal incentives and policies that promote renewable energy and energy efficiency. Established in 1995 and funded by the U.S. Department of Energy, DSIRE is an ongoing project of the N.C. Solar Center and the Interstate Renewable Energy Council.

A yellow search bar with the text "Search DSIRE" and a "View Federal Incentives" button featuring an American flag icon.

A button for "DSIRE News" with the text "sign up" and a play button icon, and "for DSIRE news" below it.

- Resources
- RPS Data
- Summary Maps
- Summary Tables
- Library
- What's New?
- Search



www.dsireusa.org

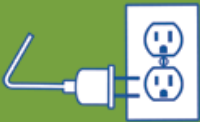


FAMILY ENERGY FACE-OFF

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The Mill Pond Minimizers

[Meet the Team](#) | [Join the Team](#)



MILL POND MINIMIZERS

SCORE: 28,505

Jeff, Anne, Henry, and Hazel from New London, MN think this contest is going to be a cake walk!

The Prairie Penny Pinchers

[Meet the Team](#) | [Join the Team](#)



PRAIRIE PENNY PINCHERS

SCORE: 73,035

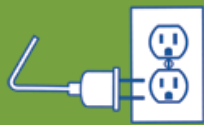
Troy, Jenn, and Ely from Morris, MN aren't just saving the planet, they're saving for college!



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CONNECT



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Thank You!

Contact info:

Jeff Vetsch

jeff@cleanenergyresourceteams.org