



**YES! ENERGY ACTION PROJECT REPORT**  
**Mankato West High School**

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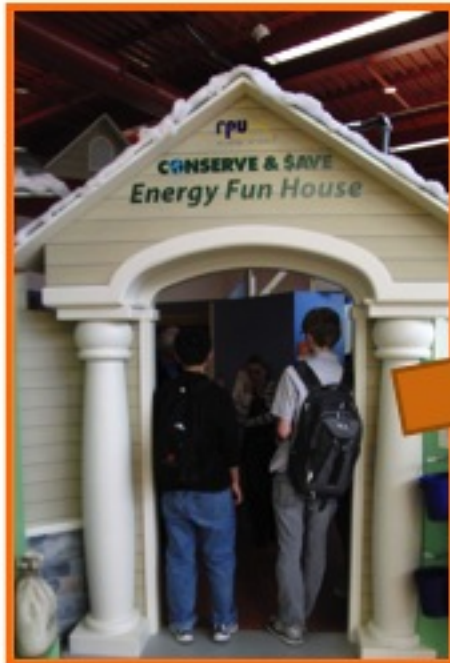
## WE ARE THE MANKATO WEST YES! TEAM

- Our team advisor(s) is Mr. Eric Koser
- 11 students were members of our YES! Team throughout the year



# SCARLET POWER • THE CONCEPT

*Learn • Measure • Educate*



## SCARLET POWER • THINGS WE HAVE LEARNED ABOUT



*This is the existing demand meter that indicates average electrical usage over an hour's time.*



*This is the meter we have purchased. It tracks lots of electrical information, shares it on our network, and saves it on a computer server.*



# SCARLET POWER...WHERE ELECTRICITY COMES IN TO 1/3 OF THE CAMPUS



*This is one of three transformers that changes 4108 Volts to 208 Volts.*

*These meters show voltage and current on this transformer.*



*Three sub switches that route this energy to the panels in the building.*



## SCARLET POWER...THE NEW METER



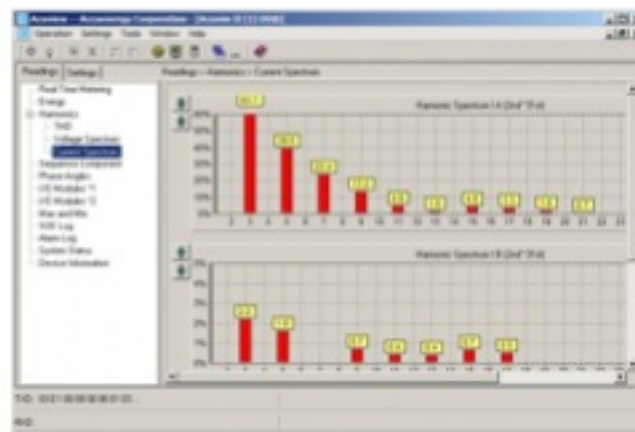
Three of these "split core current transformers" (CTs) will bring the data to our meter.



The new meter's transformers will be located inside the box at the bottom of this picture.



## SCARLET POWER...THE NEW METER



*A computer will display data from the meter in our lobby for all to see, and us to help them understand!*

*The video linked below explains the software we will use.  
We'll try to make a easy to read interface for this information.*

*AccuVim Meter Software*

