

2008 Action Plan Summary from all Schools

Directions

Please discuss the following two questions with the other participants from your school. Have one person from your group record the answers.

1. What is the most significant or interesting thing you learned at this conference? Tell the others in your group a little about the session or experience you had today where you learned the information to help them understand it.

- There are many different steps from food straight from the farm to processed goods ready for consumption, and these steps require absurd amounts of water. Energy can be saved by buying locally, growing your own food, going vegetarian, etc.
- 70% freshwater is used for agriculture
- If the global temperature increases 2 degrees Celsius there will be a loss of species by 20-30%
- Most energy is lost through foundation, Typical fiberglass insulation lets air circulate and that spray in is better.
- There is no single solution to the energy problem, rather a cumulative effect from all methods to succeed in our goals.
- In the Great Lakes, they want to put wind turbines
- 130 gallons of water is used to produce a salad
- Wood can be pulped to create energy. As can other biomasses, without adverse environmental effects. It can even prevent forest fires, and will cost the same or less than gasoline.
- The plug load of thing in a school can and should be reduced. It cost no money to unplug. An example of this would be dorm type fridges in offices.
- Different insulations are better than others: cellulose is the best. There is borax in it to prevent fire, mice, fungus, etc.
- We can use biodiesel instead of gasoline, and we can create it making it environmentally friendly and cheap.
- We need to do something with water use because it is a scarce resource and a potential conflict source
- The one thing that I plan to try and include into my life is to get better insulation in my home. I believe that this is the best thing I could do to save energy.
- We need to use energy efficiency and strive for change now instead of waiting later. The world needs to work together to reduce the impact of energy use as well as a maintaining a good lifestyle.
- Amount of water we use to get food from the farmer to the garbage –recycle, locally buying, grow own food, drink water instead of milk.
- Electric lines and powerlines can kill you, if you hit a pole and your car becomes electrified, do not step out of it as electricity travels from the power station to your home, power is lost along the way.
- The most interesting fact I learned today was that leaving electronics plugged in will still use energy. Phantom load.
- A lot of energy is being wasted by electronics that aren't even in use. Lights and electronics should be unplugged if possible when you're no using them.
- Biofuel can be created from only waste.
- The most interesting thing I learned was that energy efficiency is by far the greatest measure we can take to reduce CO2 emissions.
- If you have a battery on solar cells, you lose 50% of your energy
- Buying food locally saves water and reduces contamination
- Different opinions of what future of energy will be. Half think war for fossil fuels, half believe that sustainable energy sources will prevail.
- The US takes 25% of the world's energy
- Renewable energy is a viable option in our future.
- If the city of LA switches to steel roofs, they would heat your house.

- Our carbon footprint, on average is 30,000 pounds per years. “my car creates more pounds of CO₂ than miles I get a gallon.”
- The larger countries need to realize how much energy other countries use and they need to see how much is necessary.
- Learned how solar energy is more efficient than other types of energy such as fossil fuels used to produce electricity, etc.
- A coal powerplant produces 300-500 megawatts of power. Wind turbines produce 1.5-5 megawatts of power.
- There are many hidden costs in food production.
- Most effective way of storing energy from solar batteries is using the grid and run the meter backwards.
- Exorbitant energy expenditure is unique to our culture. Countries around the world are better at conserving energy than the U.S.
- Solar power is more easily accessible than I thought
- If temperature rises 5 degree, we lose 40% of our natural species.
- Number one energy expense is lighting in schools
- To think about where your food comes from, how it processed, and how you can reduce the carbon footprint of your foods.
- The miracle of wind power
- How much more efficient a CFL is than traditional bulb.
- Half of our carbon reduction can come from energy efficiency.
- 23 years ago CFL bulbs came out, but took 15-20 years to be adopted into households
- I learned that how much eating can take so much energy. We should buy foods locally as to skip shipping and go right to the consumer.
- Each time we eat anything, we choose to vote “with our fork” and people do not realize how much energy and water goes into preparing food.
- Logging- Used just part of the tree, pulp was cut out, how you can use enzymes in pulp and reuse the waste for other purposes.
- Blades on windmills use lift instead of drag
- Learning about the different job opportunities that have been made available by newly developed initiatives to reduce energy.
- You vote with your fork for what you’re eating.
- Many products like tennis shoes, can be made with recycled materials. Also, it’s time for more drastic changes – riding bikes and turning off lights aren’t enough.
- 43 schools have solar panels in use.
- A 1 meter rise in ocean levels will destroy Amsterdam
- One turbine can provide energy for 350 homes. Most efficient form of energy, because has shortest return time.
- Countries in Africa are becoming more energy dependent mainly because of our economy.
- Efficiency of wind mills, 100 w/m = 1 coal plant
- Wisconsin is ranked 32nd in energy use
- Using renewable energy is not that expensive.
- Wisconsin imports 95% of it’s energy
- If you hit a power line in a car crash, don’t get out of the car and touch the ground because you’ll get electrocuted.
- Global temperature increasing, sea levels are increasing, snow levels increasing.
- How individual choices affect the environment
- I plan to bring back with me the knowledge on what is the best way insulate my home. I will share this info with my parents so we have a more energy efficient home.
- Learned how solar panels work.
- That no matter what your career is, you can always implement “green” ideology.
- Renewable energy holds the key to a great future in the world.
- Many houses are poorly insulated, so we lose money and energy by losing heat or cold air to the outside. Foundations and windows are usually very poorly insulated.
- Solar panels wont pay themselves off in 20 years

- Learned where to go to college – UWSP baby!
- It takes 2900 gallons of water to produce a quarter pounder
- The compost buckets for lunch were a great idea.
- Between 1900 and 2000 the increase of population was 400% while the money was 1000%.
- Energy bills @ schools are based on peak demand rather than actual use
- How many ways I can change my lifestyle to help the environment
- The career choice session really opened my eyes to what's out there. This sort of stuff always interested me and this conference has peaked my interest more and given me a lot more to go off of.
- Biodiesel can be made by anyone and is really cool
- Renewable energy is for now not the future.
- How convenience is a big seller in marketing
- I learned that approximately in 80 years about 50% of our resources will be depleted. I found this very interesting.
- It takes methanol and sodium hydroxide to produce biodiesel from waste vegetable oil
- If 30 people put appliances on powersteps, you could power a house for 8 months
- If you install solar panels, the federal and state governments will reimburse you 60%.
- Renewable Energy is alive.
- We could have students from MSTC help install panels, and focus on energy will give us 50% of the money. We need to find 50% of the other money.
- If it doesn't exist, make it! All about the future.
- There are 3 types of insulation and the one used most commonly in the US is the one that insulates the least.
- I learned several interesting ways that they're using to power cars
- There are over 5000 wild fires in Wisconsin each year!
- Marshfield's carpool booth – so great and something we could do at our school!
- 3 bladed wind turbines are the most efficient
- People who don't use stored energy, like in India, have less psychological problems and live happier for the most part.
- Future holds huge potential for jobs in "green" areas
- Energy uses of different cultures around the world.
- It is important that when we look alternative forms of energy like ethanol, we look at the big picture. Does it really pay? In creating a bio-refinery, it really helped me realize how you have to look at the big economic picture.
- Politics of Renewable Energy- Arguments for and against renewable energy.
- How US carbon footprint is larger than other countries.
- Water resources will be the biggest concern for the future generations
- All jobs can help develop a greener world and I can probably find a job in this field.
- How easy it is to produce biodiesel from waste vegetable oil in the classroom
- Learned why there are 3 blades on a wind turbine.
- Most appliances use electricity even if they are turned off.
- New formulas for calculating solar energy needs for our area. Our kids seem interested in alternative energy.
- Different parts of the world have different carbon footprints
- Doing simple little things like turning off a power strip, can save SO MUCH energy and money! Also the LED Christmas lights are a fantastic idea.
- Countries that pay more for energy are more energy efficient.
- We import renewable energy!
- How much reduction in our water has a direct impact on our environment
- Other schools have taken an initiative to better their energy usage.
- By putting solar panels on trackers you can get 30% more solar energy
- 95% of energy used in Wisconsin is non-renewable
- The possible career opportunities available in the future.
- How much in this country we continue to use more energy when we should be using less.
- There are various different ways to produce biodiesel

2. List several ideas of how you will share this information with others at your school and/or in your community.

- Tell them what all went on at the conference, go in front of the school board, investigate on suggestions give to use plastic bottle recycling.
- Backyards, clubs (announcements), bulletin boards, posters
- Morning announcements (assembly), "Earth Week" all school celebration speakers, continue to develop our "Science Club".
- Article in school newspaper, Word of mouth, Start an energy saving project at the school, Explore producing biodiesel
- Through Project Green (environmental club), Announcements during Earth Week to promote Project Green
- Environmental club meeting, Create energy efficiency initiative, pursue service announcements, newsletter article, eagle post article
- Make posters, announcements, face of the week
- Local paper, morning announcements, student government, talk to the school board
- Science club, created plan to be shared with facilities committee, field trips to MREA, write a grant for gas, electric/biodiesel hybrid vehicles, talk to elementary/middle school students
- Posters about idea, talk to other clubs, talk in Earth Society meetings, school board meeting, write to local newspapers, wall calendars (April – Energy and the Earth)
- Try making hot water heater, promote farmers markets, host "local food dinner", education on how to keep heat in house, make a display of different types of insulation, promote people tog et wind energy credits, class projects to invent green ideas.
- Assembly for Earth Day, make a energy bulletin board, toilet talk, yearbook, school newsletter
- Green Bay Press Gazette, highlights in the school newspaper, share with other club members, posters/fliers around school.
- Talk to environmental science class, have them talk to facility manager and report to class, principal and report to class, survey the student body on ways to save energy and water and us, meet with the school board on a survey and get results, meet with faculty and instruct on the importance of conserving (water, electricity, paper, etc.)
- I will talk to the school/student senate to take action. For example, they should install more CFLs and make a compost pile with all the cafeteria food they throw out at school.
- Present at school board, put display up in the library
- We could set up our booth at our school, Mini "energy fair" during "Earth Week", regular education events/displays in school 5th and 6th hour, press release to select a "Topic of the Month", make use of Solar Wise Solar Panels education program (existing).
- Ideas will be promoted through student senate and Earth Club.
- Open house, photo documentaries, fliers, peer outreach, all school informative meetings (pep rallies), public television program, free audit of local business.
- Through green team, put in school newsletters, community link, advocate.
- At our next environmental meeting, the participants that came to this event will speak about what they have learned and we will brainstorm ideas, composting, morning announcements → put a tip on how to save energy every day.
- We have been working with our district's energy manger, and will share ideas about what we learned and what other schools are doing to see what we might be able to implement in our own school. We have done so much already, but also have so many options for the future. There are over 140 students

enrolled in our Central Conservation Club and the 8 who attended the conference will repost their experiences to the group for further discussion and new program implementations. We will share photos/information about the conference into my Environmental Science classes, which service over 160 senior students.

- Environmental Club Meetings, talk to teachers/administration, posters
- Website at school on Renewable Energy and ways that students could conserve within our District. Production of a TV channel site that students could watch during homeroom.
- Environmental club, family share, share with people at work, school tv news, earth week activities.
- School board meetings, presentations for students and faculty, fliers, posters, student senate, petitions, announcements, science club bulletin board.
- Talk to our club about what we learned, decorate our display case with new posters and info learned here. Put into action several action plans for energy efficiency projects at our school.
- Through curriculum ideas, bring it up in class with peers and teachers, peer to peer discussions, talk to community groups, talk to school board.
- School voice in environmental propaganda, daily tips in announcements, invite interested people to any meetings for future projects, brainstorm possibilities for Earth Week, Do work, bulletin boards, marquee on school website with tips
- Go to school board, local papers, make an announcement, emails, bulletins, expand ecology club
- Community meeting announcements, video at community meeting, posters, fliers, competition, mass emails, energy efficiency tip cards, community council case, meet with administration