



PROJECT

POLAR BEAR

www.louisvillezoo.org/projectpolarbear

HELP US... HELP THE WORLD

Let us introduce ourselves.

We are three teens from the Louisville area that are trying to help slow down climate change. We are working on a project (with the Louisville Zoo) to address climate change and how it affects our world. Through Polar Bears International and the Louisville Zoo, we have learned what is happening to the polar bear and the Arctic and it's impact on the Louisville area. It is our goal to make the changes necessary that will not only save the polar bear, but the entire planet.

We need your help! We have developed an Energy Use Assessment Packet to help local businesses evaluate their energy usage. We would like to work with your company to help you make small changes that will help save on carbon emissions, and ultimately help halt climate change.

Here is what we would like to do:

1. Sit down with you or your representative and go over the list of possible changes.
2. Give you the information you need to make a decision.
3. Offer to talk to your employees to help them understand the importance of saving on energy use and carbon emissions. We would be happy to give a talk to your employees, or set up a booth at your office.
4. We will also be able to show you how much money your company can save by making these small changes.

We will be listing the companies who we work with on our Project Polar Bear Website, which you can see at www.louisvillezoo.org/projectpolarbear.

Please contact at (502) 426-4399 or email us at projectpolarbear@yahoo.com to make a appointment to show you our Assessment Packet.

Together we can make a difference!

Sincerely,

Emily Goldstein

Sam Leist

Kaitlin O'Bryan



ENERGY USE ASSESSMENT

Listed below are options for reducing energy use and carbon emissions in the workplace. We have listed the amount of CO₂ that can be saved, and the amount of money that can be saved.

1. Shutting down computers and office equipment at night:

_____ computers X 200 lbs. CO₂= _____ lbs. CO₂ saved per year
_____ computers X \$7.00 per computer = \$ _____ saved per year

2. Programming computers to go on sleep mode while they are not being used:

_____ computers X 200 lbs. CO₂= _____ lbs. CO₂ saved per year
_____ computers X \$7.00 per computer = \$ _____ saved per year

3. Checking the tire pressure in company vehicles monthly, and keeping them inflated at the proper pressure:

_____ vehicles X 300 lbs. CO₂= _____ lbs. CO₂ saved per year
\$ _____ fuel used per year X 10% = \$ _____ saved per year

4. Driving 55 mph on the highway in company vehicles:

_____ vehicles X 1,000 lbs. CO₂= _____ lbs. CO₂ saved per year
\$ _____ spent on gas per year X .10 = \$ _____ saved per year

5. Adjusting thermostats up 2 degrees in the summer and down 2 degrees in the winter:

_____ sq. ft. X .79 lb. CO₂ = _____ lbs. CO₂ saved per year
3% X _____ spent on gas per year = \$ _____ saved per year

6. Recycling:

_____ # 30-gallon bags of recycled materials X 3,000 lbs. CO₂ = _____ lbs. CO₂ saved per year

7. Replacing incandescent light bulbs with fluorescent light bulbs:

_____ light bulbs replaced X 100 lbs. _____ lbs. CO₂ saved per year
_____ light bulbs replaced X \$3.00 _____ saved per year

Company Name _____

Total amount of CO₂ saved = _____ lbs. per year

Total amount of money saved = \$ _____ per year

*Note: All paper used in this project was made of 100% recycled paper.
At the end of this project, trees will be planted to offset the CO₂ emitted from the manufacturing of this paper.*