



SUN WIND WATER

The modern world has been built and run on the "fossil fuels" of

COAL and OIL.

Energetic, yes, but also very polluting & not sustainable:

It is believed that humans have now used up 50% of the reachable coal & oil in existence. These substances formed from the remains of plants & animals that lived long, long ago...

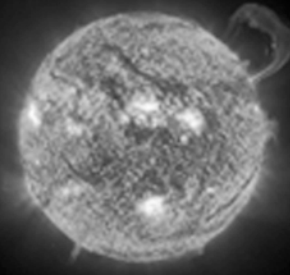


What took the earth 300 million years to create we've burned up in a mere 200 years!



Given these facts, the future of energy means taking alternatives to fossil fuels seriously & developing them quickly...

One obvious choice is **SOLAR POWER**



The Earth receives as much energy from the Sun *in just one hour* as we use in a whole year!
The question is how to harness it effectively...

The advantages of SUN, WIND & WATER

are that they are all abundant, non-polluting forms of energy.

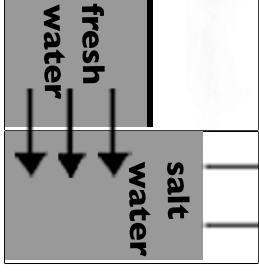
If we want to keep the lights on in the long run, we need to commit to developing and using these alternatives to fossil fuels...

On the flip side, we can ALL help by *wasting less* energy, including the TV on in the other room!

For more, visit us on the web at the Small Science Collective



the small science collective 2009 (AV)
<http://smallsciencezines.blogspot.com>



A new water option is **OSMOTIC POWER** that makes use of fresh water's natural drive to mix with salt water.

When rivers meet oceans, large amounts of fresh water mix with salt water.

If they are physically separated during mixing, then osmosis can create force to run a generator!

WATER POWER in the form of dams is "clean" in one way, but it creates real and serious problems for rivers & wildlife...



and now pushing the blades of powerful turbines all over....

WIND POWER is another original "clean energy"

Moving ships across the seas for thousands of years....

Some countries like Denmark get almost 20% of their power from wind, so it's worth taking it seriously as a sustainable energy source of real potential