**Wendy Chen Comp 71**

**CSP Technology**

CSP technology means Concentrated Solar Power. Concentrated Solar Power uses a lot of mirrors to gather sunlight and will be turned to make electricity. You can say that concentrated solar power is the most efficient way to generate electricity because the sun is always up in the day and the sun reflects through the mirror and concentrates energy, which will become electricity. CSP technology does not create any pollution, unlike other electricity generator. There will still be electricity at night even though the sun sets because the CSP has already saved energy inside their Thermal Storage Tank. And so it will use its energy when electricity is needed.

The fluid that absorbs heat from the sun is called molten salt and it flows through the piping that forms the external walls. It heats up to about 500 to over 1,000 degrees in Fahrenheit. It allows the system to run at a low pressure and there will still be electricity generated and stored. When electricity is needed, the molten salt will flow through the steam generator as water is piped in from the water storage tank. This is to make and generate steam.

CSP technology is also renewable. This is because after the steam is used to drive the steam turbine, it condensed back to water, which returned to water holding tank. The molten salt can be reused too because after the molten salt had go through the steam generator, it flows back to the cold-tank, which reuses throughout the process. To summon up, CSP technology does not produce any pollution and bad fuel, unlike nuclear power plants, coal, and conventional gas. CSP technology is also able to be renewed, unlike other electricity generators. And that’s pretty much what CSP technology is.

Source:

<http://www.solarreserve.com/what-we-do/csp-technology/>