**Environmental Impact Report**

Currently with my Computer set up, I leave the computer on for on average around 8 hours a day, during this time the power consumption would be a total of 7.6 kWhs, Since I do not own the proper equipment to get an accurate measurement this is based on an estimate if my 950 Watt power supply was at full peak for the 8 hours a day usage, however typical study shows and simulations of my setup show that my computer on Idle would only be consuming 100 Watts an hour, leaving the total to only be 0.8 kWhs a day, though according to simulations if I was to be “gaming” for 8 hours I would only generate around a maximum of 300 Watts an hour

I believe high ends computers like my current set up do not consume too much power, most of the time it is not performing high end tasks such as very intense graphics, but even then it would only generate up to a few hundred max, where today most Power supplies are built to support much higher levels of power which are not even needed.

I would be able to complete the same tasks I do daily with even less power, the times I commit to doing some work I would always have very few programs running in the background, I would not need the full 950 Watts that I am currently provided with, It would be very simple for me to remove some features unneeded to do my work.

Here are a few ways I can reduce my power consumption for my current set up:

* **Close any programs not currently being used (Especially games)**

These programs are forcing the computer to drain more power than I need to complete my current work tasks.

* **Do not leave the computer on overnight (Done that a lot)**

Since the computer is not being used it should not be idling wasting power over night doing nothing.

* **If forced to leave it on enable sleep mode to reduce power**

Having the computer on sleep mode will power down some functions that the computer will not need, if completing a task still reducing the overall power consumption.

* **Reduce Fan Speeds from MAX**

I typically have my fan setup to be on max at all times, to ensure I can game without any fears of overheating, but when it comes to working I have these settings still on, turning these off would greatly reduce the power consumption required to cool down my computer.

* **Disable the LED setup**

My computer runs a very large quantity of LED lights all of the computer and equipment, this is always turned on along with the computer, these are not needed to complete my work, so turning these off will also improve my power consumption.