



ENERGY CAN NEITHER BE **CREATED**  
NOR BE **DESTROYED!**  
BUT IT CAN DEFINITELY BE **WASTED** AND  
DEFINITELY BE **SAVED!**

Submitted by: Rajesh Sandheer

Date: 14/12/2018

Veteran Data Centre Professional

Even though this fundamental principal of 'LAW of CONSERVATION of ENERGY' is the one that all of us have studied as students of class 6<sup>th</sup>, yet in practice, we have hardly ever paid any attention to it.

As a Data Center Operations Head, my monthly power consumption bill for ONE data center was whopping Rs 1.23 Crore! (I am talking about 2009-10). Definitely, switching off couple of hundred tubelights seemed to be drop in an ocean in terms of saving energy cost. Yet we started doing it. It was not the insignificant quantum of saving, but the very effort and initiative that bore us fruits in the long run.

Our colleagues started developing the habit of switching off their monitors, our operations and maintenance team started identifying the big ticket items where energy *LEAKAGE* was happening. Sooner than our anticipation, our small initiative on 'Saving & Conserving Energy' grew into a close of everybody's heart campaign!

During our self-initiated audits, we identified that energy could be saved, rather wastage of energy could be controlled on following points:

1. Energy leakage in air-conditioned environment through air gaps like under the doors, duct openings, cabling entry/ exit points etc.
2. Increasing the return air temperature setting just by 1-2 Deg Celsius resulted in huge saving due less running of compressors
3. Motion sensor lighting in less frequented areas
4. Educating the employees on benefits of energy saving, not only to the organization but to the nation on a whole
5. Increasing the frequency of monitoring from monthly to weekly, then to daily basis and identifying the area of significant variance

In just 12 months, our electricity bill came down **1.09 Crore per month!**

***LET'S ALL CONTRIBUTE OUR SMALL DROPS OF ENERGY SAVING TO FILL THE OCEAN!***